

1. PÇ" ~°O, Ñ"â ŒQÍã"O

= #=ÙÅ Hõhã" r=# J=ã"~åÖ .# uO_ç, |@ì, x"åã"O " Ú^~ÅQÆ #q. g\ Ö•
= #O PÇ" ~°O fã" H #Hõ áÈ~Ú#@_j~Ú`Ö, = #O rqOK« @O J'ê^è-°= ø` « Ok.
PÇ" ~°O# JOkã" ÎOk. [O`« =ÙÅ'õ HÍ=Åã # Ñ"â ŒQÍã"O# =°='êÜ« ~°OQÆO
=°='êÜ« ~°OQÆO r=<å^è€~° ~°OQÆO. Wk = # PiúHõ=°=ã"÷Ö• XHõ H©/Å

[<åÈèì x~°O`«~°OQÍ ÃÑ~° QÆ`« #°O^~ =Å_j PÇ" ~° ^è€<å°Å'õ _ç=
P^€Ü« Å ÃÑ~°QÆ@O =Å_j =°='êÜ« L`«Ê`« ÎÅ'õ y~åH© ÃÑiyOk.

JO^~ =Å_j<Ö, = #^Öâ PiúHíàè=\$kúÖ• =°='êÜ« ~°OQÆO áêœ`« Ü ÚH
=ÜOk.

2. áêiœâßq Hõ =Ú_ç Ñ"^€~å÷Å

=°='êÜ« O ^€"~å PÇ" ~°O = œ`«"Ö HÍHõ Ñ"iœâ = Å'õ HÍ=Åã # =Ú_ç
=GÑ"iœâ = 'õ HÍ=Åã # =Ú_ç œÑ"uÎ• * o Ñ"iœâ = 'õ HÍ=Åã # '* o,,• Ñ"O
Ñ"iœâ = HÍ=Åã # # < yO[Å •> ÿ~° j, @ °| Å`«Ü« sH ~°|t~° # ~°|t~° Ñ"iœâ

Ñ"iœâ = Å ã"OY° ÃÑi Q H Åk, "à\ H HÍ=Åã # =Ú_ç Ñ"^€~å÷Å Z'õ =
JO^~ KÖ`« , = #O =°='êÜ« ~°OQÍx" Jaè=\$kú Ñ"~°z = # áêiœâßq Hõ =Ú_ç
=ÜOk.

3. r=<Àáêkè HõÅÊ#

œâßq Hõ â H ÎÖ• =,_çO@ Ô~O_» =O`« Å = OkH =°='êÜ« ~°OQÆO
=°='êÜ« ~°OQÆO r=<Àáêkè HõÅÊ#Ö• œÑ"=ÚY 'ê÷#O Hõæ=ÜOk. œÑ"[
Láêkè HõÅÊ#Ö• =°='êÜ« ~°OQÆO WÑ"Ê\ H `«# PkèÑ"~°å"x" H #'êyã" Î<Ö

4. q^Öj = ~°Hõ œ^~° P~°

Éèì~°`«^Öâ q^Öj "å°áê~°OÖ• =°='êÜ« O XHõ œÑ"=ÚY áêœ`«# H
Éèì~°`«^Öâ =°='êÜ« L`«Ê`« ÎÅ ZQÆ = u KÖÜ« |_» `« <å"~Ú. `ÖÜ« 'õ
=œ'êÎÅ , * o, =Ú_ç Lx", Yx[` .ÖİÅ " Ú^~ÅQÆ #q Éèì~°`«^Öâ =°='êÜ« ZQ
^€"~å Éèì~°`«^Öâ O JkèHõ " Ú`«ÎOÖ• q^Öj = ~°Hõœ^~°"å"x" Pi ã" Î#"k.

<Ö_» , q^Öj "å°áê~°OÖ• =°='êÜ« L`«Ê`« ÎÅ ZQÆ = `« Å œáê=ÚY°`«
Éèì~°`«^Öâ O <Ö_» PÇ" ~° ^è€<å°Å J~Ú# =i, QÀ^è- = Å# 'õÄ_® ZQÆ
áê@ QÍ qq^è- ~°HÍÅ Ñ"O_» j, Ñ"ÓÅ# 'õÄ_® ZQÆ = u KÖã" ÎOk. g\ H q

5. áêiœâßq Hõ =ã" Î=ÙÅ'õ = Ô~@ ; qã"Î~°}

œÑ"[Å `«= P^€Ü« OÖ• PÇ" ~°O H ~°'õ qxÜ yOK«QÍ q QÆ Å QÍ L#
L`«Ê`« ÎÅ~Ú# ^~ã" ÎÅ , Ñ" s"K«~ü, 'õ @ ìq +`# ;, QÍ°ã ã"ì"£Å , ~_çÜ Å
HÀiHõÅ# f~° Û'õ O@ <ã"~° . ÃÑ. =ã" Î=ÙÅh" áêiœâßq Hõ L`«Ê`« ÎÖË.

ã" = ~° QÍ 2/3 =O`« œÑ"[Å =°='êÜ« ~°OQÆO ÃÑ. "ài r=<Àáêkè H
qxÜ QÍxH qq^è– =ã" Î=ÙÅ L^€|| ^~ã" ÎÅ , QÆ\$Ç" Å , H ~Àã <£, _ôlÖò,
" Ú^~ÅQÆ #q J=ã"~°O J=Ù`ã~Ú. qq^è– qxÜ QÆ =ã" Î=ÙÅ# Ñ"iœâ = Å
KÖÜ« |_» `« <ã"~Ú.

JO^ =Åj<Ö, =°='êÜ« ~°OQÆO Ö•x œÑ"[Å P^€Ü« Å ÃÑ~°QÆ@O
qã"Î\$`«= =Ù`« <ã"~Ú. =°='êÜ« ~°OQÆOÖ• [~° QÆ PiúHíaè=\$kú =Åj =
P^€Ü« O ÃÑiy, `«^€"~å áêiœâßq Hõ L`«Ê`« ÎÅ'õ `«y# " Ú`«ÎOÖ• y~åH
~°OQÆO =\$kú K O^ @'õ J=Híâ O HõÅ æ`« Ok.

6. *İfÜ« ^€Ü« OÖ• =°='êÜ« ~°OQÆO "âİ

^Õâ ã" ÷Å *İfÜ« ^€Ü« OÖ• =°='êÜ« ~°OQÆO ã" = ~° 1/3 =O`« P^€
ÃÑ.QÍ *İfÜ« ^€Ü« O =°='êÜ« O, ^€x ã"O|Okè`« Pi÷Hõ HÍ~°œHõ= Å # O_

QÆ ~° İOK« HÅ=Åã # JOâßÅ

- x Éèİ~°`« Pi÷Hõ =°=ã"÷Ö• =°='êÜ« O XHõ œÑ"=ÚY" ÿ# ~°OQÆO
- x =°='êÜ« O œÑ"[Å'õ PÇ" ~°O, Ñ"â =ÙÅ'õ œQÍã"O ã"= 'õÄ~° ã
- x Wk Ñ"iœâ = Å'õ HÍ=Åã # =Ú_çÑ" ^€~å÷Å# ã"= 'õÄ~° ã" İOk.
- x ^Õâ [<åÉèİÖ• 2/3 =O`« œÑ"[Å'õ =°='êÜ« O r=<Àáêkè Hõæã
- x Éèİ~°`« q^Õj "å°áê~°OÖ• =°='êÜ« L`«Ê`« ÎÅ H©ÅHõ" ÿ#q.
- x ã" = ~° 1/3 =O`« *İfÜ« ^€Ü« O =°='êÜ« ~°OQÆO # OzL`«Ê#="

26.1 áê~îå°Oâ œÑ"â "Å

1. D œH Ok MïmÅ# Ñ"ÓiOK« =Ú.

(1/3 =O`« , 2/3 =O`« , áêiœâßq Hõ, œÑ"=ÚY, œáÈ`âuÇ"İO, =°='êÜ«

1. Éèİ~°`« Pi÷Hõ=°=ã"÷Ö• XHõ œÑ"=ÚY~°OQÆO

2. ã" = ~° ^Õâ [<åÉèİ =°='êÜ« ~°OQÆOÃÑ. P^è€~°Ñ

3. $\sim \tilde{a} \hat{I} \hat{A} , | @ j , \tilde{N} \tilde{q} \tilde{i} K \sim \ddot{u} , \sim _ _ _ \ddot{U} , \backslash . q \hat{A} " \acute{U} \sim \hat{A} Q \acute{A} \# q L \text{ « } \acute{E} u \hat{I} K \ddot{O} \ddot{U}$
 4. $\acute{a} \acute{e} i \acute{O} \acute{E} \hat{a} \beta q H \ddot{o} = \tilde{a} \hat{I} = \hat{U} \hat{A} \langle \ddot{o} _ _ _ = O _ _ _ \tilde{A} \tilde{N} \sim \circ Q \acute{A} @ O = \hat{A} j " \hat{a} \backslash H \dots \dots \dots$
 $[\sim \circ Q \acute{A} \# .$
 5. $\acute{E} \acute{e} \tilde{i} \sim \circ \text{ « } q \wedge \ddot{O} j " \hat{a} \circ \acute{a} \hat{e} \sim \circ \ddot{O} \bullet = \circ = ' \acute{e} \ddot{U} \text{ « } \sim \circ O Q \acute{A} E O X H \ddot{o} \dots \dots \dots \acute{a} \acute{e} \tilde{i}$
 6. $\tilde{a} \ddot{a} = \sim \circ \dots \dots \dots \hat{a} \beta \text{ « } O \acute{E} \acute{e} \tilde{i} \sim \circ \text{ « } \wedge \ddot{O} \hat{a} \tilde{a} \ddot{a} \div \hat{A} * \tilde{i} f \ddot{U} \text{ « } \wedge \in \ddot{U} \text{ « } O =$
 $\tilde{a} \ddot{a} = \langle \ddot{o} \ddot{A} \sim \circ \text{ « } O k .$
2. $[\text{ « } \tilde{N} \sim \circ K \text{ « } O _ _ _$
- i) $K \acute{e} \langle \ddot{o} \quad \quad \quad Z . \# < \hat{A}$
 - ii) $\# < y O [\hat{A} \quad \quad \quad a . = G \tilde{N} \tilde{i} \acute{O} \acute{E} \hat{a} =$
 - iii) $= \acute{U} _ _ _ \acute{O} \tilde{N} \tilde{u} \hat{I} \quad \quad \quad \tilde{a} . > \ddot{y} \sim \circ j = i \ddot{U} \text{ « } \acute{U} @ \circ | \hat{A}$
 - iv) $\sim \circ | \dagger \sim \circ \quad \quad _ _ _ . \tilde{N} \tilde{i} O K \text{ « } \wedge \in \sim \circ$

26.4 $= \circ = ' \acute{e} \ddot{U} \text{ « } L \text{ « } \acute{E} u \hat{I} x \tilde{A} \tilde{N} \acute{O} \acute{a} \ddagger O k O K \text{ « } = \hat{A} \tilde{a} \# P = \hat{a} \circ H \ddot{o} \text{ « }$

$= \circ = ' \acute{e} \ddot{U} \text{ « } O \acute{O} \tilde{N} \tilde{i} [\hat{A} P _ _ _ \sim \circ J = \tilde{a} \sim \hat{a} \hat{A} \# f \sim \circ \hat{U} _ _ _ \text{ @ } x H H \acute{I} = \hat{A} \tilde{a} \# \tilde{N} \tilde{i} O @ \hat{A} \# , \tilde{N}$
 $= \acute{U} _ _ _ \tilde{N} \tilde{i} \wedge \in \sim \hat{a} \div \hat{A} \# , \text{ « } \ddot{U} \text{ « } \hat{O} \sim \cdot \# \acute{a} \acute{e} i \acute{O} \acute{E} \hat{a} \beta q H \ddot{o} q x \ddot{U} Q \acute{A} E = \tilde{a} \hat{I} = \hat{U} \hat{A} \langle \ddot{o} = \hat{O} \sim \text{ « } j$
 $H \ddot{o} \acute{e} \acute{E} \tilde{a} \hat{I} q \wedge \ddot{O} j = \sim \circ H \ddot{o} \acute{O} \wedge \sim " \hat{a} \circ x " \tilde{a} \ddot{a} = \acute{U} \acute{a} \acute{e} i \tilde{a} \hat{I} q q \wedge \acute{e} - = \circ = ' \acute{e} \ddot{U} \text{ « } Z Q \acute{A} E = \text{ « } \hat{A} \#$

1951 $\tilde{a} \ddot{O} = \text{ « } \hat{u} \sim \circ \ddot{O} \bullet = \# \wedge \ddot{O} \hat{a} [\langle \hat{a} \acute{E} \acute{e} \tilde{i} \tilde{a} \ddot{a} = \sim \circ 36 H \hat{A} @ j . J \sim \acute{U} \ddot{O} , 1991 [\langle$
 $[\langle \hat{a} \acute{E} \acute{e} \tilde{i} \tilde{a} \ddot{a} = \sim \circ 85 H \hat{A} @ j \tilde{A} \tilde{N} i y \# [\langle \hat{a} \acute{E} \acute{e} \tilde{i} = \hat{A} j P _ _ _ \sim \circ O \ddot{U} \acute{U} H \ddot{o} \sim y \sim \hat{a} H \text{ © } q \tilde{N} \tilde{i} s \text{ « }$
 $H \hat{A} n \acute{a} \acute{e} i \acute{O} \acute{E} \hat{a} \beta q H \ddot{o} q x \ddot{U} Q \acute{A} E = \tilde{a} \hat{I} = \hat{U} \hat{A} \langle \ddot{o} y \sim \hat{a} H \text{ © } \tilde{A} \tilde{N} \sim \circ Q \acute{A} E \text{ « } O k . J O \wedge =$
 $H \acute{I} = \hat{A} \tilde{a} \# = \acute{U} _ _ _ \tilde{N} \tilde{i} \wedge \in \sim \hat{a} \div \hat{A} \# \text{ « } y \# " \acute{U} \text{ « } \hat{I} \acute{O} \ddot{O} \bullet = \circ = ' \acute{e} \ddot{U} \text{ « } \sim \circ O Q \acute{A} E O " \ddot{O} \tilde{a} \ddot{a} = \langle \ddot{o} \ddot{A} \sim$
 $\tilde{N} \tilde{i} \sim \circ \hat{U} @ \wedge \in \sim \hat{a} = \acute{O} \text{ « } " \ddot{O} \tilde{A} \tilde{N} \cdot \# < \hat{A} H \# " \tilde{N} \tilde{i} \tilde{a} \div u x Z \wedge \sim \sim \# Q \acute{A} E \hat{A} \acute{a} \hat{a} = \acute{U} .$

$\text{ « } \wedge \sim \tilde{N} \tilde{i} \acute{a} \hat{e} \sim \hat{i} \circ \ddot{O} \bullet 26.5 = \# O = \circ = ' \acute{e} \ddot{U} \text{ « } L \text{ « } \acute{E} \text{ « } \hat{I} \hat{A} \# " \sim \circ Q \acute{A} E \tilde{N} \tilde{i} \sim \circ \hat{U} \tilde{N}$

26.5 $\text{ « } \wedge \acute{e} - O Q \acute{I} = \circ = ' \acute{e} \ddot{U} \text{ « } L \text{ « } \acute{E} \text{ « } \hat{I} \hat{A} \# J \acute{a} \acute{e} = \$ k \acute{u} \tilde{N} \tilde{i} \sim \circ \hat{U} Q \acute{A} E \hat{A} \acute{a}$

$= \circ = ' \acute{e} \ddot{U} \text{ « } \acute{a} \acute{e} = \$ k \acute{u} D \acute{O} E H O k \tilde{N} \tilde{i} \wedge \sim \acute{U} \text{ « } \hat{A} \wedge \in \sim \hat{a} ' \acute{e} \wedge \acute{e} - \circ = \emptyset \text{ « } O k .$

Z. $q \tilde{a} \hat{I} \$ \text{ « } j \tilde{a} \wedge \sim \circ O$

$D \tilde{N} \tilde{i} \wedge \sim \acute{u} u \ddot{O} \bullet j \tilde{a} \wedge \sim \circ O \acute{O} E H O \wedge \sim \langle \ddot{o} Z \langle \ddot{o} \sim = \circ = ' \acute{e} \ddot{U} \text{ « } \acute{E} \acute{e} \acute{I} = \acute{U} \hat{A} \# f \tilde{a} \ddot{a} \langle \ddot{o} O \tilde{i} \sim \circ$
 $= \circ = ' \acute{e} \ddot{U} \text{ « } \ddot{U} Q \acute{A} E \circ " \ddot{y} \# \acute{E} \acute{e} \acute{I} = \acute{U} \hat{A} \# H \tilde{i} \sim \acute{U} O K \text{ « } @ O = \hat{A} j J \tilde{N} \tilde{i} \acute{E} \backslash = \sim \circ \langle \ddot{o} x \sim \circ \tilde{N} \tilde{i}$
 $j \tilde{a} \wedge \sim \circ O \acute{O} E H O \wedge \sim \langle \ddot{o} f \tilde{a} \ddot{a} H ' \acute{e} \hat{i} \sim \circ . \ddot{O} \ddot{E} \wedge \in j \tilde{a} \wedge \sim \circ O K \ddot{O} \ddot{U} \text{ « } \langle \ddot{o} O _ _ _ = \hat{U} \# " \acute{E} \acute{e} \acute{I} = \acute{U} \hat{A} \ddot{O}$
 $= \circ = ' \acute{e} \ddot{U} \text{ « } \tilde{N} \tilde{i} \hat{a} \bullet \acute{e} - \langle \hat{a} H \ddot{o} \$ + = \hat{A} j W k ' \acute{e} \wedge \acute{e} - \circ \tilde{N} \tilde{i} _ _ _ \text{ « } O k .$

J~Ú`Õ, =°='êÜ« L`«Ê`« ÎÅ# H O`«"Õ ~°õ = Æ`«"Õ = #O ÃÑOK«QA
HõÅ=Ü.

1. U ^Õâ OÖ• J~Ú<â Éèi q ã"Ñ"jÜü ã ÷~°OQÍ =ÜO@ Ok. Hõ# H
=°='êÜ« Ü QÆ°" ÿ# Éèi =ÚÅ# ¿ã^°OÖ•xH `zÛ `«~â"« =°='
Ñ"~° ÛÖË=Ú.
2. Éèi =ÚÅ# J<ÕHõ =°='êÜÕ `«~° HÍ~°HõÖİáêÅ'õ L^€II QÆ\$Ç" x
" Ú~ÅQÆ "â\ H qxÜ yOK«=Åã =Ü#"O^ =Åj ¿ã^°O#õ `«y
ÅÉèi°O HÍ=Ü.

ÃÑ. q^è—OQÍ Ñ"ijeOz`Õ, qã"Î\$`« =°='êÜ« Ñ"~ú`« Å# LÑ"Ü yOz = #
Ñ"~° Û@õ âßâ "« ÆáêüÑ"KHõ# ¿Ñ" ~#ÖË=Ú. XHõ ÆÑ"Hõ- Éèi q ã"Ñ"j
qxÜ yOK« @O =Åj qã"Î\$`« ¿ã^°O ^€"~â = #õ =°='êÜ« = \$kú'ê^è—O HÍ~
Ñ"~ä—HõO ^€"~â =°='êÜ« aè= \$kú'ê^è—° = =Ü`« Ok.

a. 'êOÖE^ =°='êÜ« O

'êOÖE^ =°='êÜ« O J#QÍ XHõ Éèi Hõ= `«OÖ• J<ÕHõ Ñ"O@Å# Ñ"O_
=ÜO@ Ok? P^è— xHõ " .*İ xHõ Ñ"~ú`« Å ^€"~â =°='êÜ« Ñ"~ú`« Å = iÜ
fã" H x ~â=@O [~° QÆ `« Ok. Ñ"O@Å L`«ÊuÎ ÃÑ~° QÆ ^Å'õ JkèHõ kO
Z~° =ÚÅ , ÆH q ã"OÇ" ~°Hõ = O^ Å# `«y#O`« " `â^ Ö• "â_»@O, J<ÕHõ
h\ =ã"ux ÃÑOK«@O " Ú~ÅQÆ HÍ~°OÆHõ= Å ^€"~â 'êOÖE^ =°=Ü« 'êÜ

= ~À q^è—OQÍ K áêÊÅO>Ë, =#~° Å# ã"ÆHõ= OQÍ ã"= ~°÷=O`«OQÍ qx
á†O^=K« Û. Æáêp# =°='êÜ« Ñ"~úuÖ• XHõ Ñ"O@# Ñ"O_çã" Î ã"O= `«û~
'ê~°O á†O^ @õ Hõ= `âx" MİmQÍ LOK«@O [i Qk. ÆÑ"ã" Î`« HÍÅOÖ• ÆÑ
Ñ"O@# Ñ"O_çOz# `«~° "â`« J^Õ Éèi Hõ= `«OÖ• = iH x" Ñ"O@Å# Ñ"O
ÃÑOá†OkOKÕ Z~° =ÚÅ# "â_ç k"fÜ« , `«\$fÜ« Ñ"O@Å# Ñ"O_çOK«@O

Éèi~°«^Õâ OÖ• H`«Î Éèi =ÚÅ# 'êQÆ Ö•xH fã"õ ~â=@O Éèi ã"Ñ"
HÍ~. Hõ# Hõ, 'êOÖE^ =°='êÜ« Ñ"~úu ^€"~â<Õ = #O =°='êÜ« L`«Ê`« Î

26.6=°='êÜ« L`âÊ^—Hõ`«

Z. J~°÷O

'ê^è€~°} Ñ"iÉèi+~Ö• 'L`âÊ^—Hõ`«,, JO>Ë ÆÑ"u Ü«_x\ò L`«ÊuÎ HÍ~°HÍ
L^€II =°='êÜ« L`âÊ^—Hõ`« JO>Ë XHõ ÃÇİHÍi~° Éèi q Ö• = #O Ñ"O_çOK«

L`âÊ^Hõ`«# ` Å ã` H # @`õ D ÆH Ok ã` Æ` «O LÑ`Ü y`êÎ~° .

Éèí q L`âÊ^Hõ`« " Ú` «ÎO Ñ`O@ L`«ÊuÍ

" Ú` «ÎO Ñ`O@ Ñ`O_çOz# Éèí Hõ= `« qã•Î~°O

Éèí L`âÊ^Hõ`«# Ö H`OK«_®xH " Ú` «ÎO Ñ`O@ L`«ÊuÍx, P Ñ`O@ Ñ` qã•Î~°O KÕ ÉèÿOKåe.

= #O 2 ÃÇİHÍì~°; Éèí Hõ= `âx" Hõeæ ^€xÖ• = #O 50 H "O\l`à ; QÀ^è Éèí q L`âÊ^Hõ`« ÃÇİHÍì~° `õ 25 H "O\l`À ; QÍ ; Ñ` ~#=K« Û.

a. L`âÊ^Hõ`«Ö• áÊHõ_»Å

Éèí~° «^Õâ OÖ• qq`è– Ñ`O@Å q+`Ü« OÖ• L^€II =i, QÀ^è– = , # < y Ñ`O@Å L`âÊ^Hõ`«Å ZÖİ =Ü<â"Ü Ñ`ije^€IO.

1950-51 ã`O= `«û~° HÍÅOÖ• ÃÇİHÍì~° Ñ`¶`À`êÜ« O Jx" Ñ`O@Å q+`Ü« 44 ã`O= `«û~° HÍÅOÖ• qq`è– ÆÑ`"}loHõÅÖ• fã` H #" K«~°Å Ñ`¶`e` «OQÍ Ñ`iyOk.

QÀ^è– = Ñ`O@ L`«ÊuÍÖ• L`âÊ^Hõ`« 1950-51 ã`O= `«û~°O`À áÈeÜ Z`õ ~=QÍ Lok. (Ñ`" ìHõ 26.1).

Ñ`" ìHõ 26.1

Ñ`O@ L`âÊ^Hõ`« ÃÇİHÍì~° `õ (H "O\l`ÅÖ•j)

Ñ`O@Å	1950-51	1994-95	ÃÑ`~° QÆ ^–Å (Ô~@ j)
=i	6.7	19.2	3
QÀ^è– =	6.6	25.5	4
# < yO[Å	4.8	8.5	2
K é`õ	33.0	68.0	2
Ñ`uÍ	88.0	260.0	3
* o	10.4	19.6	2

QÆ`« 44 ã`O= `«û~° HÍÅOÖ• L`âÊ^Hõ`«Å Ñ`iy<â~Ü. J~Ú` Ö Éèí~° áÈeÜ` Ö WÑ`Ê\ H `«`õ ~=QÍ<Ö =Ü<â"~Ü.

ã . L`âÊ^Hõ`« `ê÷~ÚÅ# W`«~° ^ÕâßÅ`À ã`i áÈÅ Û@

ÆÑ`^è€# Ñ`O@Ö .# =i, QÀ^è– = , " ÚHõ`*Á#", "Ö~° â #QÆ = iÜ«Ú * c W`«~° ^ÕâßÅ`À ã`iáÈÅ Û@.

Ñ"\\ ìHõ 26.2

L`âÊ^Hõ`«Å ã"íaÊeHõ

Ñ"O@	^Õâ O	L`âÊ^Hõ`« 1994-95Ö• H "O\\IA ÃÇI
=i	L`«Î~° H iÜ«	75
	K .<å	55
	Éèĭ~° «^Õâ O	19
QÀ^è– =	S~â;O_£	75
	K .<å	31
	Éèĭ~° «^Õâ O	25
" ÚHõ~*Á#"	Œwã	85
	Ü«Ú.Zã .Z	68
	Éèĭ~° «^Õâ O	15
"Õ~° â #QÆ	WŒ*ĭ~ÚÖò	64.5
	Éèĭ~° «^Õâ O	10
* o	Éèí \\<£	36
	Éèĭ~° «^Õâ O	20

ŒÑ"Ñ"OK«OÖ•x W` «~° ^ÕâßÅ`À áÊeÛ`Õ = #^Õâ O PÇ" ~° ^è€<å°Å, =ÙO^~x K Ñ"Ê=K« Ú# . 26.2 Ñ"\\ ìHõ# Ñ"ijeOz`Õ, Éèĭ~° «^Õâ Ñ"Ù =i kQÆ L`«Î~° H iÜ« =i kQÆ |_çÖ• 1/4 =O` « QÍ HõÅ^ . QÀ^è– = kQÆ |_çÖ• = #^ = Œ`«"Õ LOK. = # Hõ# ZO`À " # Hõ|_ç =Ù#" Éèí \\<£ ^Õâ O * o L`«Êu kQÆ |_» Å# Hõeæ =ÜOk.

= #^Õâ O ÃÇIHí~° 'êQÆ |_çÖ• H O` « kQÆ |_ç " ~° ÔQ.#kQÍ HõxÑ J^Õ ÃÇIHí~° <õ nx Hõ<å" Z<À" Ô~@ ĭ Z<õ ~=QÍ =Ù#"@ ĭ ` Å ã" ÎOk.

QÆ` « <åÅ QÆ ^~âß|ìÅ HÍÅOÖ• =°='êÜ« L`âÊ^Hõ`«Å " ~° QÆ Ñ =°='êÜ« L`âÊ^Hõ`« `«<õ ~=QÍ<Õ LOK.

JO^ =Åĭ = # ^Õâ OÖ• =°='êÜ« Hõ L`âÊ^Hõ`«# = iO` « " ~° QÆ Ñ

QÆ ~° ÎOK« HÅ=Åã # JOâßÅ

x =°='êÜ« O =Åĭ PÇ" ~°O, Ñ"â ŒQÍã"O, =Ú_çÑ"^€~å÷Å , r=<Àáêkè, JO^ =Å# =°='êÜ« O# = \$kú Ñ"~°K«=Åã # P=â °Hõ` « HõÅ^ .

x =°='êÜ« L`«Êuîx ÃÑOá†OKK« @,õ J=ÃOaOK«=Ãã # Ñ"^-ú`«
 Z. qã"Í\$`« =°='êÜ« O a. 'êOOE^ =°='êÜ« O
 x ÃÇİHİì~° ‹õ = #O Ñ"O_çOK«QÆEæ# =°='êÜ« L`«Êuîx =°='êÜ«
 x qq^è- Ñ"O@Å L`âÊ^Hõ 'ê= ~°÷°O 1950-51 ã"O=`«û~°O # O_ç
 ÃÑiyOk. J~Ú`Õ ŒÑ"Ñ"OK«OÖ•x W`«~° ^ÕâßÅ Ñ"O@Å L`âÊ^
 L`âÊ^Hõ`«# ã"iáÈeÛ#Ñ"Û_» WÑ"Ê\ H Éèì~°`«^Õâ OÖ• =°='êÜ«
 Lok.

26.2áê~îâ°Oâ ŒÑ"â "Å

1. MïmÅ# Ñ"ÓiOK« =Ú
 ('êOOE^, L`«Êuî, qã"Í\$`, 20 H "O\là j, 30 H "O\là j)
 i) Z<õ = Éèí =ÚÅ# 'êQÆ ŒH O^~õ fã" ‹õ ~â=@O ^€"~â =°='êÜ« L`«Êuî
 Jx =°=Ç" i'êî~°.
 ii) XHõ =°='êÜ« H Œ`«OÖ• JkèHõ kQÆ |_» Å# á†O^ =°='êÜ« ¿ã^
 iii) =°='êÜ« L`âÊ^Hõ`« J#QÍ ÃÇİHİì~° #‹õ Ñ"O_çOK«QÆEæ# =°='êÜ«
 iv) 3 ÃÇİHİì~°j Éèí Hõ= `«OÖ•60 H "O\lÅ =i Ñ"O@# L`«Êuî KÕã #@j~Ú

 2. Ñ"O@Å# ^ÕâßÅ`À [«Ñ"~° K« =Ú. (1994-95 ã"O=`«û~°O J`«°kèHõ Ñ"
 (i) " ÚHõ~*Á#" Z. L`«Î~° H iÜ«
 (ii) =i a. Éèí \<£
 (iii) QÀ^è- = Ñ~âjO_£
 (iv) "Õ~° â #QÆ. WŒ*Î~ÚÖò
 (v) * o W. Œwã"

26.7=°='êÜ« JÅÊ L`âÊ^Hõ`«‹õ QÆÅ HÍ~°}ÏÅ

1. Éèí 'ê~°=Ú# " ~° QÆ Ñ"~° Ú@‹õ `«y# ŒáÈ`âûÇ"ïO ÖEHõ
 J<ÕHõ = Ok =°='êÜ« ^€~° Å‹õ / Ô~.`« Å‹õ '†O`« Éèí q ÖE^~. "â~°
 H•Å ‹õ fã" H x ¿ã^°O KÕÜ«Ú"â~°) H•Å ^€~° Å Éèí 'ê~°O# ÃÑOK« @‹õ
 fã" H #~°. ŒÑ"u ã"O=`«û~°O `«= H H•Å ‹õ P Éèí =ÚÅ W="|_» `â~Ú J<

Éèí 'ê~âaè=\$kúH ZÖIO\ Pã"H Î Hõ#|~° Û@O ÖË^ . = ~ Hõ œÑ"Hõ-, H•
K e;ON"QÆ ÅaèOK« P^€Ü« O ã""ÅÊOQÍ=ÜO_» @ KÕ`« "ã~° `ã=Ú 'êQ.
=#~° Å H\~ÚOK« @ 'ê^è-°O HÍ^ .

H•Å <õ W="|_ç# Éèí=ÚÅ# Jaè=\$kú Ñ"~°K« @<õ Éèí Ü« [= # Å ZÖ
Ñ¶"e`«OQÍ, Éèí L`ãÊ^Hõ`« KãÖÏ`«<õ = 'ê÷~ÚÖ•=ÜO@ Ok.

2. Hõ= `ãÅ qÉèí[#, qÑ¶" @#

x~°O`«~°OQÍ [<ãÉèí ÑÑ~° QÆ @ =Å; , "ã~°ã""« K«\ìÅ =Å# Éèí q
HÍ~°}= ø`« Ok. L^€Ç"Î~°}

XHõ Ô~.`« <õ 100 ÃÇIHí~°; ¿ã^~°Ñ"Ü Éèí q =ÜO>Ë J`«x #Å QÆ ~°
"ã~° <ãÅ QÆ ÉèíQÍÅ QÍ Ñ"OK« HÀ=@O =Å# XH`Hõ`iH 25 ÃÇIHí~°;
#Å QÆ ~° <õ = ~° Å =ÜO>Ë "ài`«~° "ã`« "ài Ñ Å;Å<õ XH`Hõ`iH 25/4 ÅÇ
Éèí q ÅaèOK« # . D œÑ"œH Ü« =Å;# Éèí Hõ= `« Ñ"i= } œHõ= œHõ= OQ
Ñ"~°~°`« Å# áê\ Oz =°='êÜ« O KÕÜ«Ú@ z#" z#" Hõ= `ãÅ`À 'ê^è-°O HÍ^
`«<õ = 'ê÷~ÚÖ•=ÜO_» # .

3. `«y# h\ áê~° ^~Å 'œHõ~ã°Å ÖËHõáÈ=Ü@O

h~° =°='êÜ« O<õ HÍ=Åã # =ÚY°" ÿ# =#~° . WÑ"Ê\ H = #^Õâ OÖ• ã"i
ÖË=Ü. 70% ÑÑ·QÍ 'êQÆ Éèí q JxtÛÜ« " ÿ# | `« Ñ"= <ãÅÑÑ· P^è€~°Ñ" _ç=
JO^ =Å; <Õ | `« Ñ"= <ãÅ ÑÑ· P^è€~°Ñ" _ç =°='êÜ« L`«Êuî x~°~°ÚOK«|
<õ iã # ã"O= `«û~°OÖ• =°='êÜ« L`«Êuî QÆ}hÜ« OQÍ=ÜO@ Ok. h\ áê~° ^
=ÜO@ Ok. nxH QÆÅ HÍ~°}ÏÅ .

Z) JHÍÅ =~ã¬Å ã"OÉèíqOK« @

Ñ"O@Å HÀ`«<õ =K« Û ã"= Ü« OÖ•=K« Û =~ã¬Å =Å; KÕuH ~ã=Åã
#+`ìO HõÅ æ`« Ok.

a) `«y#O`«QÍ =~°¬O <õ ~°=Hõ áÈ=@O

Éèí~°`«^Õâ OÖ• J<ÕHõ œáêO`ãÄÖ• HÍ=Åã # "Õ ~°<õ =~°¬O <õ ~
HõÅ æ`« <ã"~°Ú.JuQÍ =~ã¬Å <õ ~°=@O =Å# Ñ"O@Å<õ #+`ìO "ã\ Å ;`« Ok
=°='êÜ« O# ^|†fã" Î<ã"~°Ú. JxtÛÜ« " ÿ# =~°¬áê`«O =Å# =°='êÜ« O`«<õ

4. 'êOœÑ"~°€Ü« Hõ =°='êÜ« Ñ"~°~°`« Å

J<ÕHõ = Ok =°='êÜ« ^€~° Å Z<õ =QÍ 'êOœÑ"~°€Ü« Hõ =°='êÜ« Ñ"~°~°
L`ãÊ^Hõ`« `«<õ = 'ê÷~ÚÖ•<Õ=ÜO@ Ok. x~°Hõ °~ãã""`« , # = , HÍÅ , ã"<ã

KÕÑ" @ ì@ 'õ J= ~À^è—OQÍ xÅ ã" Î<å" ~Ú. <Õ\ H J<ÕHõ= Ok =°='êÜ« ^€~
 LÑ"Ü yã" Î<å" ~°. Z~ ÎÅ |O_» j <Õ\ H =°='êÜ« ~°"ã}İ'õ LÑ"Hõĩã" Î<Õ =Ü.
 LÑ"Ü yOz ĸ ã~°O KÕÜ«Ú@Ö• J`«°kèHõ Ô~. `« Å ã"iÜ y # J=QÍÇ`İ# ÖË
 q^è€#O WÑ"Ê\ H ` eÜ«Ú@ ÖË~. Éèì 'ê~°O# ÃÑOá†OkOz <å}°" y# Z~°
 ĸ ã~°Ñ"Ü Éèì =ÚÅ# =^~e"ÕÜ«Ú@O =Åj <ÕÅÅ x'êû~°OQÍ `«Ü« ~° J=Ü

ÃÑ. JOâßÅx" ã"q + ìQÍ JÅÊ =°='êÜ« L`ãÊ~Hõ`«'õ HÍ~°}= ø`« <å"~L

5. W`«~° =°='êÜ« L`ãÊ~HÍÅ "å_» ÖËHõáÈ=Ü@

Z. q`«Î<åÅ

<å}°" y# = Oz q`«Î<åÅ =°='êÜ« OÖ• qxÜ yOK« @ =°='êÜ« L`ãÊ~H
 OËÑ"=ÚY" y#k. <å}°" y# JkèHõ kQÆ |_ç xK« Ú q`«Î<åÅ "å_» @O ^€~å J
 J~Ú`Õ, qq^è— HÍ~°}İÅ =Åj Ô~. `« Å ã"iÜ y # q`«Î<åÅ qxÜ yOK«HõáÈ=Ü@

i) Ô~. `« Å'õ `«y# PiúHõ Ñ"~°Ñ"u ÖËHõáÈ=Ü@

ii) Ô~. `« Å JkèHõ kQÆ |_ç q`«Î<åÅ# "å_» @'õ JO`«QÍ Pã"H Î K

a. Z~° =ÚÅ

=°='êÜ« L`ãÊ~Hõ`«# ÃÑOá†O^ @'õ Z~° =ÚÅ J`«°=ã"~°O. Éèì~°
 =°~°÷ Ñ"~°^€~å÷Å# HõOáÈã" ì*Ëã Z~° =ÚÅ QÍ "å_» @ ã"~°""ê^è€~°}" y#

Hõ\$œu= ~°'ê~ÚxHõ Z~° =ÚÅ 3 ~°HÍÅ : < .œ\•[<£, á¶ê ĸ ãÊ@ , = iÜ
 Z~° =ÚÅ Ô~O_» ~°HÍÅ QÍ OËÑ"Ü [<åÅx Hõœæã" Î<å"~Ú. Jq Éèì 'ê~åx" Ñ
 L`ãÊ~Hõ`«# ÃÑOá†OkOK« @.

Éèì~°`«^Õâ OÖ• ~°'ê~ÚxHõ Z~° =ÚÅ "å_»HõOÖ• Ô~O_» Ñ"iq`« Å H
 Z~° =ÚÅ# "å_»@O =Åj `«y# OËÑ"Ü [#O KÕ'õÄ~°`« Ok. Éèì~°`«^Õâ OÖ•
 ÃÑ.QÍ =~°¬O ÃÑ. P^è€~°Ñ" _ç =ÜO_» @ =Åj, ~°'ê~ÚxHõ Z~° =ÚÅ# 70 â
 Éèì =ÚÅÖ• ã"= ~°÷=O`«OQÍ "å_» @O ÖË~. Ô~O_»= Ñ"iq u, D Z~° =ÚÅ#
 "å_»=Åã =ÜO@ Ok. J~Ú`Õ, = #^Õâ OÖ• D x+~ÊuÎx PK«iOK« @O ÖË~
 Ü« ĸÜ« # JkèHõ " Ú`«ÎOÖ• Ô~. `« Å =°='êÜ« OÖ• qxÜ yã" Î<å" ~°. = #^
 ã" = ~° QÍ 8.5 : 2.5 : 1 QÍ L#"k. < .œ\•[<£ áêà § JkèHõOQÍ =Ú#" Z~° =ÚÅ
 HõœæOK«=Ü. J~Ú`Õ ^€xx ã"iÜ y # x+~ÊuÎÖ• "å_ç#@j~Ú`Õ =°='êÜ« L`Ê`
 KÕã" ÎOk.

ã . œH q ã"OÇ" ~°Hõ = O^ Å

= #^Õâ OÖ•œH q H©@HÍÅ =Åj 5% Ñ"O@Ö•^ |tuO@ Ok. ã"iÜ y # œH
 =Åj<Õ Ñ"O@ #+~ìáÈ=Åã =ã" ÎOk. qHõ }İ ~°Ç İ`«OQÍ œH q ã"OÇ" ~°Hõ =

=Å¡ = # = Û Å P ~ À QÆ ° O ^ | † u # @ ` À á ê @ Ñ ~ º = ~ } = Ú # ‹ õ Ç x Hõ Å æ ` « Hõ Å + ` « = Û ` « < º ~ Ú .

6. QÍg } Ñ ~ ° Ñ u ` « y # O ` « QÍ ÖEHõ á È = _ » O

Ô ~ . ` « Å ‹ õ HÍ = Å ã # Ñ ~ ° Ñ u ã ~ ^ á ê Ü « Å ` « y # ' ê ÷ ~ Ú Ö • ÖEHõ á È = Û @ HÍ ~ } = Û ` « Ok .

Ô ~ . ` « Å ‹ õ Ô ~ O _ » Æ Ñ ~ ^ è € # J = ã ~ º Å ‹ õ | } O HÍ = Å ã = Û O @ Ok . Jq

i) q ` « Í < º Å , Z ~ ° = Û Å , Æ H q ã ~ O Ç ~ ° Hõ = O ^ Å , = ° = ' ê Ü « Ñ x = ° = ' ê Ü « ã ~ O | O k è ` « HÍ ~ ° Hõ Ö Í á ê Å ‹ õ •

ii) n ~ ° f HÍ e Hõ J = ã ~ º Å L ^ € I I É è í q H # Q À Å Ö E ^ € É è í ' ê ~ ° O # Ñ ~ ° QÆ Ñ ~ ° Û H # @ ‹ õ HÍ = Å ã # Ñ Ñ @ ì | _ » Å , # ` « # = ° = ' ê Ü « ã ~ Æ Hõ = h \ á ê ~ ° ^ Å ' æ Hõ ~ º Å U ~ á Ê @ " Ú ^ Å QÆ # q D HÍ J = ã ~ º = Û ` « Ok .

' ê “ « O Æ ` « ° O HÍ Å O < º \ # O _ ç É è ï ~ ° f Ü « Ô ~ . ` « Å " º á ê ~ ° Å Ö E ^ € = H ~ ‹ õ P ^ è € ~ Ñ _ Õ " º . ^ Õ â O Ö • ' ê “ « O Æ ` º # O ` « ~ ° O QÆ ` « 50 ã ~ O = ` É ï ° O H O Q ã ~ O ã ~ º Å = \$ k ú K O ^ @ = Å ¡ P Ñ ~ ï ã ÷ u Ö • H O ` « = ~ ° Ê = z Û O k . Ô ~ . ` « Å = _ ô º " º á ê ~ ° Å Ñ Ñ . P ^ è € ~ Ñ _ ç ` « = | } J = ã ~ º Å f ~ ° Û H O @ < º Z ^ ~ À ~ # = Å ã = ã ~ Í O k . = _ ô º " º á ê ~ ° Å J k è Hõ = _ ô º Å ‹ õ Ô ~ . ` « Å ‹ õ Ñ ~ ° Ñ É è ï ~ º x " " Ü « = Å ã = ã ~ Í O k .

= _ ô º " º á ê ~ ° Å # O _ ç | } O á † O ^ @ ‹ õ ' ê ^ è € ~ } O QÍ Ô ~ . ` « Å ` « = É è U ^ . x HÍ ~ } = Û = Å ¡ " º ~ " º ì | } O u i y K e ¡ O K « ÖEHõ á È ~ Ú # @ ¡ ~ Ú Ö = _ ô º ' ê “ n # O K Õ ã " H O ï ~ ° .

H • Å ^ € ~ ° Å | } O á † O ^ @ ‹ õ " º ì = ^ ì ` « # M ï Ñ Ñ @ ì @ ‹ õ Z Ö ï O \ É è í = Û Ñ ~ ° Ñ ~ u x á † O ^ Ö E ~ ° .

7. y _ » º O y = i Ü « Ú = Ô ~ \ O Q ã ~ ^ á ê Ü « Å ÖEHõ á È = Û @

Ô ~ . ` « Å ‹ õ y @ ì É ï @ ^ è ~ ~ ° Å Å a è O K « # @ ¡ ~ Ú Ö " º ~ Z ‹ õ ~ = ° = ' ê Ü « Hõ Å æ # . n x H y _ » º O QÆ Å = i Ü « Ú = Ô ~ \ O Q ã ~ ^ á ê Ü « Å K å Ö Í J = ã ~ J = Ú , H # @ ‹ õ = Û # " J = HÍ â ß Å :

Z . ' ê ÷ x Hõ " º á ê ~ ° Å a . ' ê ÷ x Hõ = Ô ~ ~ @ ¡ = i Ü « Ú ã . Æ Hõ = | n ú

Ô~.̀« Å `«= Ñ"O@Å# J=Ú,HÀ=@OÖ• Z^ ~ ^O@ #" ã"= ã"°Å

1. `«y# ~°"å}l'œHõ~å°Å ÖEHõáÈ=Ù@O=Åj Ô~.̀« Å `«= L`«Ê`« ÎÅ# <O
2. Ô~.̀« Å<õ `«= Ñ"O@Å# xÅ"KÕã" <õ <Õ y_»¤Oy 'œHõ~å°Å ÖEHõá
xÅ"*ËÜ«Ú HÍÅOÖ• =\$^è€ J=Ù`« Ok.
ÃÑ. Ñ"iã ÷`« Å=Åj Ô~.̀« Å "ài L`«Ê`« ÎÅ# `«Ñ"Êxã"i Ü ÿ ã"iÜ ÿ # y@
J= ,=Ãã =ã" ÎOk.

QÆ ~° ÎOK« HÀ=Ãã # JOâßÅ

JÅÊ =°='êÜ« L`«Ê^Hõ`«<õ QÆÅ HÍ~°}iÅ

- x H•Å ^€~° #<õ `«y# H #'êyOK«QÆÅ Ç" g ÖEHõáÈ=Ù@ = iÜ«Ú
"å~° ¿ã^°O KÕÜ«ÚK« #" Éèi =ÚÅ L`åÊ^Hõ`«# ÃÑOK« @<õ Z
- x Éèi Hõ= `åÅ qÉèi[# = iÜ«Ú qÑ¶" @# =Åj P^è- xHõ 'êO HuHõ
œÑ"Õâ ÃÑ@ i@ 'ê^è-°O HÍ^.
- x ã"iÜ ÿ # h\ áê~° ^-Å 'œHõ~å°Å ÖEHõáÈ=Ù@O.
- x <å}°« QÆÅ q`«Î<åÅ , Z~° =ÚÅ , œH q ã"OÇ" ~°HÍÅ H ~°`«.
- x ã"<å`«# ¿ã^°Ñ"Ü Ñ"~ú`« ÅÃÑ. Z<õ ^ = = Ok =°='êÜ« ^€~° Å P
- x œQÍg } Ñ"~°Ñ"u JOkOK« ã"Oã"÷Å ÖEHõáÈ=Ù@O.
- x y_»¤Oy = iÜ«Ú = Ô~\ OQ ã"~ áêÜ« Å ÖEHõáÈ=Ù@O.

áê~îå°Oâ œÑ"â "Å 26.3

1. œH Ok MïmÅ# W="|_ç# Ñ" ^€Å`À Ñ"ÓiOK«O_ç.

(70, ÉèlQÆ'ê"q , H•Å ^€~° , 4 : 2 :1, 5% # O_ç 10%, < .œ\•[<£ / #œ`«[x, 8.
10% - 20%)

1. Ô~.̀« Å# ¿ã^°O H ~°<õ Éèi =ÚÅ# W`«~° Å # Oz H•Å <õ fã" <õ #"
=°=Ç" i'êÎ~° .
2. = #^Õâ O ã"iÜ ÿ # h\ áê~° ^-Å ã"~ áêÜ« O ÖËx" Ú`«ÎO ¿ã^°O œH O
3. JaèÅ+"}©Ü« " ÿ Z~° =ÚÅ x+"ÊuÎN (#œ«[x, á¶ê¿ãÊ@
4. Éèl~°«^Õâ OÖ• =Ú#"ÔP:« Å~"å_ÜÅ x#"ÊuÎ
5. Ü«iÜ« D ~°HõÑ"Ü Z~° =Ú#<õ XHõ L^€Ç"Î~°}
6. âß`«O Ñ"O@Å ã"iÜ ÿ # y_»¤Oy 'œHõ~å°Å ÖEHõáÈ=Ù@O.

26.8=°='êÜ« L`âÊ^Hõ`«# ÃÑOá±OkOK« @◊õ = ~âæÅ

=°='êÜ« L`âÊ^Hõ`«# ÃÑOá±OkOK« @◊õ J<ÕHõ = ~âæÅ HõÅ=Ü.
'êO HuHõ Ñ~°" ÿ#qQÍ =sæHõiOK« =K« Û# . ¿ã^°Ñ~Ü Éèí =ÚÅ# ÆÑ~«
Ô~. `« Å◊õ Ñ~ON }©KÕÜ«Ú@, Éèí Hõ= `âÅ Ñ~i= }Ïx" ÃÑOK« @, H•Å ^€~° Å
=°='ê÷QÆ`«" ÿ# K«~°Å QÍ ¿Ñ~ ~#=K« Û. ã~O'ê÷QÆ`« = ~âæÅ<Õ 'Éèí ã~
= ~âæÅÖ• ¿ã^°Ñ~Ü Ñ~^~ú`« Å# " ~° QÆ Ñ~° Û@, =°='êÜ« O#◊õ LÑ~Hõ
"â\ QÆ iOz qâšj+ OK« ^€=Ü.

Z. =°='ê÷QÆ`«" ÿ# = ~âæÅ / Éèí ã~Oã~~°}Å

1. = ^è-°=~° ÎÅ ` ÅyON~Ü

Ô~. `« Å◊õ ÆÑ~Éèí `«"O#◊õ = ^è-°=Ü#" =°◊õ ÎÅ# = ^è-°=~° ÎÅ QÍ ¿Ñ
O_ç Ñ~# "Å# =ã~ Å KÕã [= KÕÜ«Ú@◊õ xÜ« q `« Ö .#"â~° . D Ñ~^~úuÖ
[~° QÆ `« Ok. Éèí Jaè=\$kúH = ^è-°=~° ÎÅ ZÖIO\ K«~°Å fã~ HÀ~° ÖË^
JO^=Å#, ÆÑ~Éèí `«"O ÆÑ~Õ°Hõ K« @ìO ^€~°â Jx" ~âœëèiÅÖ• =Ü#" =

2. H•Å ^€~° Å◊õ Éèíœ^~`« HõeÊOK« @

Éèí q Ü« [= # Å ^~QÆæ~° =Ü#" H•Å ◊õ Éèí q x J^ì◊õ fã~ H x ÆÑ~«
x~°"îlOK« =°◊õ ÎÅ# H•Å ^€~° Å JO\~° . JkèHõ H•Å ~@ j, Éèí Ü« [= x `«
" Ú^~ÅQÆ #q H•Å ^€~° j 'ê^è€~°}OQÍ Z^~ ~# ã~= ã~°Å g\ x Ñ~i+~iOK« @
H•Å Éèíœ^~`« HõeÊOK« K«\ìiÅ# *Ïs KÕã Ok. H•Å ^€~° Å◊õ Éèí q ÃÑ. U
= ~°æ^~° Hõ ã~ œ`âÅ# ÆÑ~Éèí `«"O *ÏsKÕã Ok.

3. Éèí Ñ~iq u K«\ìiÅ

Éèí Ñ~iq u J#QÍ XHõ =°H Î Jnè#OÖ• =ÜO_»^~y# Éèí Hõ= `«O Ñ~iq ux
Z◊õ ~°=QÍ =Ü#" Éèí =ÚÅ# ÆÑ~Éèí `«"O 'ê"nè#O KÕã~ H x Éèí q ÖËx z#" Ô
x~°~ÚOK« @ÔH. ÆÑ~Éèí `«"O qq^è- ~âœëèiÅÖ• Éèí q H QÆi+~a Ñ~iq `

4. Éèí Hõ= `âÅ ã~g Hõ~°} KÕÜ«Ú@

=°='êÜ« JÂÊ L`âÊ^Hõ`«◊õ Éèí Hõ= `âÅ qÉèí[#, qÑ~ @# Hí~°}O J
XHõ =°H Î Jnè#OÖ• =Ü#" Éèí q x ã~q Hõ~°} KÕÜ«Ú@ XHõ K«Hõ~x Ñ~ièê
Hõ= `âÅ# Ñ~~ã~Ê~° JOwHí~°O`À ÃÑ^~ì H œ`âÅ QÍ UHõO KÕÜ«Ú@C
Hõ= `âÅHõ |^~ Å QÍ X H œáêO`«OÖ• P =°H ÎH ã~iÜ ÿ # UHõ Hõ= `«OQÍ
=Åj HõÅ QÆ #ëèiÅ # `«yæOK«=K« Û# .

Éèí Hõ= `áÅ ã"ḡ Hõ~°} ŒÑ"ŒH Ü« = #^Õâ OÖ• Ô~. `« Å = ^è-° ã""K
 KÕÑ" @ì_»O [iyOk. Ñ"O*İ] , Ç"İ~â°<â = iÜ«Ú Ñ"tÛ= L`«Î~°ŒÑ" ^Õâò ~âŒ
 [iyOk. Ñ"İ"e`«OQÍ PÜ« ~âŒëèiÄÖ• =°='êÜ« L`«Ê`« ÎÄ QÆ}hÜ« OQÍ Ä
 Ñ"iQÆ}Ö•xH fã" H O>Ë Éèí Hõ= `áÅ ã"ḡ Hõ~°} KÕçã HÍ~°ŒHõ= O = O

ii) 'êO HuHõ Ñ"~°" ÿ# = ~âæÅ

1. h\ áê~° ^-Å ã"^- áêÜ« Å

=°='êÜ« L`«ÊuÎx ŒÑ"Éèİq`«O KÕÜ«Ú JOâßÖ•j h\ áê~° ^-Å Ju=ÚY
 ÄÑ.QÍ=Ü#" çã^-°Ñ"Ü Éèí =ÚÅ h\ H ~°ç ÷ =~°-O ÄÑ.<Ö P^è€~°Ñ" _ç =Ü<â

Z. Éèí q LÑ"İ «ÅO ÄÑ. ÅÉèí°O JÜÖ °q

#^- Å , ã"~°ã" ûÅ , K ~° =ÜÅ , ç O@Å , i[-â"Ü« ~° j "â\ ^€"~â ÅæOK

a. Éèí QÆ~°†ù [Å=#~° Å

Éİ=ÜÅ , Q @ìÑ"Ü Éİ=ÜÅ , Ñ"ON"ÜÄã@ j ^€"~â Éèí QÆ~°†ù [ÖİÅ#

Éèİ~° «^Õâ OÖ• ã" = ~° 2000 ÅHõ Å ÄÇİHİ~° j ÄÖ• Ñ"O@Å# 'êQÆ
 H=ÅO 225 ÅHõ Å ÄÇİHİ~° j = Œ`«"Ö 'êQÆ h\ áê~° ^-Å =ã"u QÆÅ çã
 ã"^- áêÜ« O ÄÑ~° QÆ @=Åj qq^è- Ñ"O@Å# çã^-°O KÕÜ«Ú Éèí =ÚÅ q
 ã"OY° 1135 ÅHõ Åç ÄÑiyOk. J~Ú#Ñ"Ê\ H© h\ áê~° ^-Å =ã" « Å# = iO`«
 KâÖİ HõÅ^- .

2. <â}°" ÿ# =°='êÜ« L`«ÊuÎx ÄÑOá†OkOK« =,ÅHÍÅ# JOkOK<

i) q`«Î<âÅ

= # ŒÑ"Éèí `«"O 1960 = ^è-°HÍÄOÖ• =°='êÜ« L`âÊ^-Hõ`«# ÄÑOK«
 ŒÑ""Öâ ÄÑ\ İOk. D q`«Î<âÅ# =°='êÜ« Ñ"iâ•^è-<â HOŒ^€Å J<ÖHõ ã"O
 Wq<â}°" ÿ#q = iÜ«Ú "â°^è- Å# `« @ İHÄQÆÅ 'ê= ~°÷°O HõÄq. ḡ x 'ê÷xH
 ~° á†OkOKæ. =°='êÜ« L`âÊ^-Hõ`«# ÄÑOá†OkOK« @ç JkèHõ kQÆ j
 KÕÜ« =Äã =Ü#"k. nxx 'êkèOK« @ç 1963 Ö• = # HOŒ^- ŒÑ"Éèí `«"O
 *Ëã #k. qq^è- ~âR ŒÑ"Éèí `â"Å q`«Î# HÍ~ Ê ~+<£Å# < ÅH eÊ<â~Ú. ḡ
 WK« Ü q`«Î# ~°HÍÅ L`«ÊuÎ = iÜ«Ú Ñ"ON" }© [~° QÆ `« #"k.

ŒÑ"Ü QÍ`«HõOQÍ 1960 ã"O= `«û~° = ^è-°HÍÄOÖ• JâHõ kQÆç
 kQÆ j_» Å# 'êkèOK« @ç LÑ"Ü yOKâ~° . ḡ H `Ä_» QÍ xtÛ`«" ÿ# h\
 Z~° =ÜÅ "â_» @ =Åj Ñ"O@Å L`«ÊuÎ ÉİQÍ ÄÑiyOk. D HÍ~°ŒHõ= x" 1966

QÀ^è- = Ñ"O@ kQÆ |_» Å# ÃÑOK« @◊ H #'êyOz q[Ü« =O`«" ÿ<â~°. `«
 ã"Ñ"bHõ\$`«" ÿ<â~°. J~Ú`Õ z~° ^è€<â°Å J~Ú# *Á#", ã"[, ~ây =O\ ^è€<â°Å
 Ñ"e`âx" W="ÖÊ^ . h\ áê~° ^~Å ã" ^~ áêÜ« Å H ~°`« = iÜ«Ú ã"iÜ ÿ # Z
 "Õ ~°◊ HÍ~°}OQÍ K Ñ"Ê=K« Ú# .

JkèHõ kQÆ |_ç q`«Î<âÅ "â_»HõOÖ• JkèHõ Ñ"Ù~ÀQÆu 'êkèOz#Ñ"ÊV
 Ô~. `« Å# JkèHõ kQÆ |_ç q`«Î<âÅ "â_Õ q^è-OQÍ ŒáÈ`«ûÇ İOK« @, "âiH
 =Åj "â~° JkèHõ kQÆ |_ç q`«Î<âÅ H # QÀÅ KÕÜ« QÆÅ æ`â~° .

ii) Z~° =ÙÅ

Ju Œáêp# HÍÅO # O_ç Ô~. `« Å ã"Ç"İ[ã ^~ú" ÿ# HõOáÈã" ì Z~° =Ü
 "â_» `« <â"~°. H O`«HÍÅO Éèí =ÚÅ# 'c_» „ QÍ =ÜOK«_»O =Åj ã"Ç"İ[OQ
 á±O^~QÆÅ æ@ [i Qk. J~Ú`Õ, JkèHõ =°='êÜ« L`«Ê`« ÎÅ# 'êkèOKâÅO>Ê
 "â_»HõO J=ã"~°O. = #^Õâ OÖ• ~°'ê~ÚxHõ Z~° =ÙÅ "â_»HõO 1960-61 Ö•
 Wk ŒEHõ= OQÍ 1995-96 <â\ H 139 ÅHõ Å @# "Å◊ ÃÑiyOk.

JkèHõ kQÆ |_ç q`«Î<âÅ qxÜ yOz Ñ"Å'êÜ« x" ÃÑOK« H # @Ö• ~
 `«Ñ"Êxã"i. `«y# Ñ"i= }OÖ• h\ áê~° ^~Å =ã"u =Ü# Éèí =ÚÅÖ• ~°'êÜ« xH
 Ñ"xKÕ'êÎ~Ú. Hõ# Hõ ~°'ê~ÚxHõ Z~° =ÙÅ "â_»HõO`À áê@ `«y# h\ áê~°

= #^Õâ OÖ• < .Œ\•[<£, á¶êã"Ê~°ã , á±İ+ Z~° =ÙÅ q Œâ = x+""ÊuÎ
 P^~° " ÿ# x+""ÊuÎ ŒEHõ= O 4 : 2 : 1 JO^~ =Åj, Ô~. `« Å JkèHõ " Ú`«ÎOÖ• ~°
 x+""ÊuÎÖ• "â_ç#@ j~Ú`Õ = Oz Ñ"e`âÅ á±O^~QÆÅ æ`â~° .

iii) ŒEH q ã"OÇ" ~°HÍÅ

ŒEH q H©@HÍÅ =Åj = iÜ«Ú Ñ"O@ ` QÆ à § =Åj Ñ"O@Å ^|tuOİ~
 Ñ"iêê~âÅ HõÅ=Ü.

" Ú^~\ Ñ"iêê~°O - =ÚO^~ QÍ<Õ *İŒQÆ`«Î=Ç İOK« @. =°='êÜ« Ñ"iâ
 Z^~ ~x xÅ = QÆeæ# = iÜ«Ú ~ÀQÆ x~À^è-Hõ â H Î QÆÅ Ñ"O@ ~°HÍÅ

Ô~O_»=k Ñ"Ù~° QÆ Å x"â~°}◊ ŒEH q ã"OÇ" ~°HÍÅ# Ñ zÛHÍi KÕÜ«
 ã"OÇ" ~°Hõ = O^~ Å Ñ"O@Å◊ ZÖİO\ Ç" x HõÅ QÆ*ÊÜ« x" ., = #=ÙÅ
 =ÜO_®e. Jq Ñ"~â°=~°}=Ú#◊ ¿ã"Ç" Ñ"Ó~°"Hõ" ÿ# ~°HÍÅ QÍ =ÜO_®e. r=
 = iÜ«Ú r=~°'ê~ÚxHõ L`«Ê`« ÎÅ# Ñ"O@ ` QÆ à § x"â~°}◊ qxÜ yOKâe.

= # ^Õâ OÖ• ã"= ŒQÆ KÕÑ"Å x"â~°} x~°"Ç"İ} HÍ~°ŒEHõ= O HõÅ^~
 xÜ« OŒ`«} = iÜ«Ú Ô~. `« Å◊ Ñ"O@Å ` QÆ à § xÜ« OŒ`«}◊ HÍ=Åã # t

3. ŒQÍg } Ñ~°Ñ~u #OkOK« @

'ê" «OŒ`«°#O`«~°O = #^Õâ OÖ• Ô~.` « Å'õ `«'õ = =_ôxÅ'õ ã" ÅÉè
q`«Î ã"Oã"÷Å U~âÊ@ KÕÜ« |_ç<â~Ú. ã"Ç"İHÍ~° Ñ~°Ñ~u ã"Oã"÷Å , ŒQÍ
" Ú^~ÅQÆ #q U~âÊ@ J~Ú#q. *İfÜ« =°='êÜ« aè=\$kú Éİ°O'õ ŒQÍg } ~°
ã"Oã"÷Å'õ ŒQÍO@ | ~° Ñ~°OÖ• JOkã" İOk. <âÉİ~° x XHõ J`« °#" « Éİ°O'õ

i) ã"Ç"İHÍ~° Ñ~°Ñ~u ã"Oã"÷Å

ŒQÍg } Ñ~°Ñ~ux JOkOK« @OÖ• =°='ê÷QÆ`«" ÿ#q ã"Ç"İHÍ~° Ñ~°Ñ~u
=_ôx ~@ |'õ | }İÅ# = OE~° KÕ'êÎ~Ú.

ii) "â} [° Éİ°O'õ Å , ŒáêOfÜ« ŒQÍg } Éİ°O'õ Å

"â} [°Éİ°O'õ Å# 1969Ö• *İf~ÚHõ~°} [iy#Ñ"C\ # O_ç =°='êÜ« Ñ~°Ñ~u
ŒÑ"~è€<âOâ =ÚQÍ LOK. g\ H `À_» QÍ =°='êaè=\$kú Éİ°O'õ Å , ŒáêOfÜ
'õÄbÅ'õ , z#"Ô~.` « Å'õ , ã#"HÍ~° Ô~.` « Å'õ , ŒQÍg } =\$uÍ < .Ñ~°Ü}°OQÆÅ q
=°='êÜ« aè=\$kú Éİ°O'õ Å Éèí =ÚÅ " ~° QÆ Ñ~° ÛHÀ=_@xH , Éİ=ÚÅ#
H # QÀÅ KÕÜ« _@xH `«y# " Ú`ÎOÖ• n~°fHíeHõ | }İÅ# JOkOK« K« #"k

iii) '<âÉİ(Ñabrd)

*İfÜ« =°='êÜ« ŒQÍg } Jaè=\$kú Éİ°O'õ (<âÉİ~° x) 1982 EÖ .Ö• U
Ñ~°Ñ~ux ã"= 'õÄ~° Û@OÖ• Wk XHõ J`« °#" «" ÿ#k. Wk <Õ~° QÍ ŒQÍg }
Éİ°O'õ Å'õ , "â} [° Éİ°O'õ Å'õ , ŒáêOfÜ« ŒQÍg } Éİ°O'õ Å'õ ŒQÍO@ | ~°
ŒQÍg } ŒáêO`âÖ•j Ñ~°Ñ~ux JOkOKÕ Jx" ~°HÍÅ ã"Oã"÷Å'õ Ñ~°Ü#i"áÍx" Å
JOkã" İOk.

1950-51 Ö• =°='ê÷ QÆ`«" ÿ# ŒQÍg } Ñ~°Ñ~u H=ÅO 7% QÍ =ÚO_Ök
ÃÑiyOk.

4. W`«~° =ã"« Å HõÅÊ#

=°='êÜ« L`«Ê`« ÎÅ# = Ô~_@ KÕã" H # @'õ ŒÑ"Éèí`«"O Ô~QÆ
Ô~.` « Å áÈ\© ^è~° =^_ì `«= ã"~° 'õ Å# J=Ú,HÀQÆÅ æ`â~° . D = Ô~_
= iÜ«Ú ~âR ŒÑ"Éèí`â"Å ã"OÜ«ÚHõİOQÍ x~°"Ç İ'êÎ~Ú. D = Ô~_@j =Åj Ô~_
= Ô~_@ 'õ ã"O|OkèOz# Ñ"Óî ã"¿Çİ`« |^~ú" ÿ# ã"= Kâ~âx" á†O^_@ , `« x
¿Çİ`« |^~ú" ÿ# y@ İÉİ@ ^è~°Å " Ú^~ÅQÆ ŒÑ"Ü [<âÅ <Õ~° QÍ Ô~.` «

HOŒ^_ŒÑ"Éèí`«"O 1957Ö• HOŒnÜ« "Õ~üÇ"İ ã OQ HÍ~ Ê ~+<£
< ÅH Å Ê`â~Ú. Ô~.` « Å Ñ~°O@Å# xÅ"*ËÜ«Ú@'õ y_»xOy 'œHõ~â°Å Jq

QÆ ~° İOK« HÂ=Âã # JOâßÂ

Éèí L`àÊ^—Hõ`«# ÃÑOá±OkOK« JOâßÂ

x H•Â ^€~° Âˆõ `«y# ÉèíŒ^—`« HõÂÊ#

x Éèí Ñ¨iq u K«\lîÂ , q QÆ Â Éèí =ÚÂ ã¨ŒHõ= Ñ¨OÑ

x z#” z#” Hõ= `âÂ# UH©Hõ\$`«O *ËÜ«Ú@O

x h\ áê~° ^—Â =ã¨¨ « Â HõÂÊ#

x JkèHõ kQÆ |_ç q`«Î<âÂ , Z~° =ÚÂ , ŒH q ã¨OÇ¨ ~°H

x ŒQÍg } Ñ¨~°Ñ¨u qã¨Î~°}

x `«y# = Ô~¬ OQ , y_»¤Oy = iÜ«Ú xÂ“ ’æHõ~â°Â HõÂÊ

D ŒH Ok MïmÅ# W=“|_ç# Ñ¨^€À`À Ñ¨ÓiOK«O_ç

(¿ãOÖnÜ« Z~° =Ü, 1963, 225, LÑĩ` «ÅO, ã"Ç"İHÍ~°HÍÅ , QÀ^è- = , =

- # h"Õq <Õ~° Û<õ <å"=Ù? g ~° Uq J^è—°Ü« #O KÕâß~° ?

- 17

4. Éèí L`âÊ^Hõ` « P =⁰= 'êÜ« H Æ` « OÖ• Ñ"O_ » Ñ"O@ ÖÊ^€ Å
5. 1950-51 # O_ç qq^è- Ñ"O@Å L`âÊ^Hõ` « ÆHõ= ÆHõ= OQÍ= áÊeÛ` Õ WÑ"Ê\ H = #^Õâ Ñ"O@Å L`âÊ^Hõ` « `« ÷ = QÍ< Õ LO
6. Éèí q Jaè=\$kú Ñ"~° K« @ ÷ ÆáÊ` « ûÇ"İ Ö•Ñ"O, z#" Ñ"i= } OÖ• H Ñ"~^ú` « ÅÃÑ. P^è€~°Ñ" _ç = ÛO_ » @, ÆQÍg } Ñ"~°Ñ"u ÅÉèí°O H Ö•Ñ"O = Åj, =⁰= 'êÜ« L`âÊ^Hõ` « `« ÷ = 'ê÷~ÚÖ• LOK.
7. Éèí L`âÊ^Hõ` « # " ~° QÆ Ñ"~°K« @ ÷ `« y# ÆÑ"Ü« `â"Å =

áê~îâ°O` « ~° ÆÑ"â "Å

1. Éèĩ~° « ^Õâ PiúHõ =⁰= ã÷Ö• =⁰= 'êÜ« ~°OQÆO Æáê^è€#°` « # q=iO
2. Éèí L`âÊ^Hõ` « J#QÍ< Õq ? = #^Õâ O qq^è- Ñ"O@Å q+"Ü« OÖ• Q Uq? W` « ~° ^ÕâßÅ =⁰= 'êÜ« L`âÊ^Hõ` « `À = #^Õâ =⁰= 'êÜ« L`âÊ^H
3. Éèĩ~° « ^Õâ OÖ• =⁰= 'êÜ« L`âÊ^Hõ` « `« ÷ = QÍ = ÛO_ » \ixH QÆÅ H
4. =⁰= 'êÜ« L`âÊ^Hõ` « # ÑÑOá†OKOK« @ ÷ ZÖİO\ K« ~°Å fã" HÀ"ã
5. ã"OH Ñ"Î ã"= ^è€<âÅ Æ"âÜ« O_ç
 Z. qã"Î\$` « =⁰= 'êÜ« O = iÜ« Ú 'êOÆ^ =⁰= 'êÜ« O
 a. Éèĩ~° « ^Õâ =⁰= 'êÜ« L`âÊ^Hõ` «
 ã. ã"O'ê÷QÆ` « ÆQÍg } Ñ"~°Ñ"u ã"Oã÷Å

ã"= ^è€# = ÚÅ

áê~îâ°Oâ ÆÑ"â "Å - 26.1

1. i) =⁰= 'êÜ« ii) 2/3 iii) áêiÆâßq)HæáÊ` « ûÇ"İ = ÚYi) 1yß
2. i) _ç ii) Z iii) a iv) ã

áê~îâ°Oâ ÆÑ"â "Å - 26.2

1. i) qã"Î\$` ^èOÆ^ iii) L` « ÊuÎ iv) 20 H "Oİà j
2. i) _ç ii) Z iii) W iv) ã v) a

áê~îâ°Oâ œÑ"â "Å - 26.3

i) H•Å ^€~°ii) 70% iii) 4 :2 :1

iv) 8.5 : 2.5 v) < .œ\•[<xi) 5% # O_ç 10% =~°<õ

áê~îâ°Oâ œÑ"â "Å - 26.4

i) ã"Ç" HÍ~ii)HãÑ"i` « Å iii) 225v) 1963 v) QÀ^è— ÷vi) HÍOá¶Èã" ì

1. áê~îâ°O` «~° œÑ"â "Å<õ - P^è€~âÅ :

1. PÇ" ~°O - Ñ"â œQÍã"O<õ =,ÅO

2. =Ú_ç Ñ" ^€~â÷Å

3. œÑ" ^è€# r=<Àáêkè

4. q^Õj= ~°Hõ œ^~°=°O

5. áêiœâßq Hõ L` «Ê` « ÎÅ<õ _ç= O_£

6. *İfÜ« ^€Ü« OÖ• "åİ ã"= <õÄ~° Û@

2. ÃÇİHÍì~° Ñ"O@ kQÆ |_çx =°='êÜ« L`åÊ^Hõ` «QÍ ¿Ñ~ °Oİ~° . QÆ`
L`åÊ^Hõ` « ÑÑiyOk. J~Ú`Õ, W` «~° ^ÕâßÅ`À áÈeÛ`Õ` «<õ =QÍ LOk.

3. 1. œáÈ`âûÇ"İHÍÅ ÖËq

2. Hõ= `åÅ qÉèí[#, qÑ¶" @#

3. h\ áê~° ^~Å 'œHõ~°°O ÖËHõáÈ=Ù@

4. œáêp# ã"OœÑ" ^€~ÚHõ =°='êÜ« Ñ" ^~ú` « Å

5. JkèHõ kQÆ |_ç q` «Î<åÅ "å_»HõáÈ=Ù@, Z~° =ÙÅ , œH q ã"O

6. œQÍg } | } 'œHõ~°°O ÖËHõáÈ=Ù@O.

7. y_»œOy, = Ô~\ò 'œHõ~å°Å Ö•@ .

4. Z. =°='ê÷QÆ` «" ÿ# K«~°°Å

1. = ^è~°=~° ÎÅ / ^~àİ~° Å ` ÅyONÑ"Ù

2. H•Å ^€~° Å<õ `«y# Éèíœ^~` «

3. Éèí Ñ"i= }O ÑÑ. Ñ"iq u qkèONÑ"Ù

4. Hõ= `åÅ ã" g Hõ~°}

- a. 'êO HuHõ Ñ"~°" ÿ# K«~°Å
1. h\ áê~° ^_Å ã"~ áêÜ« Å
 2. "Õ Ö .# =Ú_ç Ñ"~^€~ã÷Å
 3. ŒQÍg } Ñ"~°Ñ"~u JOkOK« @
 4. W` «~°=ÚÅ
- 5i) qã"Î\$` « =°='êÜ« O J#QÍ J<ÕHõ Ñ"~O@Å Ñ"~O_çOK« @. 'êOŒ^_ =°='ê Ñ"~O@Å# Ñ"~O_çOK« @.
- ii) 26.6 Ö• JOâßÅ
- iii)
1. ã"Ç" HÍ~° ã"ON¶" Å
 2. "ã} [° ÉÏ°O<õ Å
 3. ŒáêOfÜ« ŒQÍg } ÉÏ°O<õ Å
 4. NABARD (<ãÉÏ~° ¤) 26.8 (3) K«^_ =O_ç.

27. Ñ"iŒâ = Å

(Industry)

27.1 LáÊ^€f`«O

U PiúHõ =°=ã"÷Ö•< .<å =, _» ŒÑ"ˆè€# ~°OQÍÁ =ÙO\ĩ~Ú. Jq : Œáè = iÜ«Ú`«\$fÜ« ~°OQÆO. 26= áê~î°OÖ• = #O Œáê^ä-q Hõ ~°OQÆ" ÿ# ŒÑ"ã" Î`« áê~î°OÖ• k"fÜ« ~°OQÆ" ÿ# Ñ"iŒâ = Å# QÆ iOz` Å ã" <õ O^

PÇ" ~°O = # ŒÑ"ˆè€# rq`å=ã"~°O. PÇ" ~°O`À áê@ = #<õ J<ÕHõ = ^_ã" ÎÁ, K Ñ"ÙÊÁ, ã"|†Á, ~°"å}Î'ê^è-<åÁ J~Ú# Ãã·H Á, HÍ~° i, |ã" ûÁ ¿ÑÑ"~°, ã"ì"£Á, <õ @ ìq +"# i, ~_çÜ, \.q.Á ŒÑ"¶ *òÁ " Ú~ÁQÆ #q.

Ñ"iŒâ = ÅÖ• QÆ O_» ã" k " Ú~Á q= #O =~°<õ Jx"~°HÍÁ =ã" Î ã"=ÚÁ D áê~î°OÖ• = #O Éèì~°«^Õâ PiùHõ =°=ã"÷Ö• áêiŒâßq Hõ ~°OQÆO Ü Ú =sæHõ~}, áêiŒâßq Hõ Ñ"Ù~ÀQÆu, áêiŒâßq Hõ = \$kúH ^ÀÇ"Î~OKÕÜ« q^è€#O " ÚII JOâßÁ QÆ iOz` Å ã" <õ O^€=Ú.

27.2 ÅH Í°Á

D áê~îà°Oâ =Ú J^è-°Ü« #O KÕã #`«~å"« g ~°` Å ã" H <Õq.

x Éèì~°«^Õâ PiúHõ =°=ã"÷Ö• Ñ"iŒâ = Å áêŒ`«# q=iOK« @.

x Ñ"iŒâ = Å =sæHõ~°}

x áêiŒâßq Hõ ŒÑ"QÆux ŒÑ"Éèìq`«O KÕÜ«Ú HÍ~°}ÏÁ# qâşj+ OK«

x 'ê"«OŒ`«°O 'êkèOz# HÍÁO# O_ç <Õ\ =~°<õ ŒÑ"Éèì`«" áêiŒâßq H

27.3 Éèì~°«^Õâ PiúHõ =°=ã"÷Ö• Ñ"iŒâ = Å Œáê=ÚY°«

Ñ"iŒâ = Å = #^Õâ PiúHõ=°=ã"÷Ö• XHõ ŒÑ"=ÚY áêŒ`«# x~°Ç Ìã

1. Ñ"iŒâ = Å Ñ"Á qxÜ QÆ=ã" Î=ÚÁ# L`«ÊuÎ KÕã" Î<å"~Ú

Ñ"iŒâ = ÅÖ• qxÜ QÆ^€~° Å qq^è- J=ã"~åÁ# f~° Ú@<õ HÍ=Áã # L`«ÊuÎ [~° QÆ`« Ok. ÃÑ# "Á, HÍy`åÁ, ÃÑxûà \$, ^_ã" ÎÁ, K Ñ"ÙÊÁ, ã"|†, \.q. ŒÑ"¶ *òÁ " Ú~ÁQÆ #q Ñ"iŒâ = ÅÖ•`«Ü« ~° KÕÜ« @ ^€~å ŒÑ"

2. Ñ"iŒâ = Å L`«ÊuÎ Ü« x@j<õ HÍ=Áã # áêiŒâßq Hõ =ã" Î=ÚÁ# L`«Ê

L`«ÊuÎ Ü« x@ j J~Ú# Hõ~å, QÍ~åÁ, ëêÑ"ÙÁ, PÑ"¶ã" Á, Ñ"¶~°"£ û " Ú =ã" Î=ÚÁ# L`«ÊuÎ KÕã" Î<å"~Ú. g\ x = iH x" =ã" Î=ÚÁ# L`«ÊuÎ KÕÜ«Ú@<

L^€ . Ô~. ` « Å<õ JkèHõ Ñ"O@Å# L` «ÊuÎ KÕÜ«Ú@<õ Œ\Hõì~° j, HÀ` q^ °K«ÛùH Î, _ôlÖò " Úll J=ã"~°= =Ù`ã~Ú. ÃÑ. L` «Ê` « ÎÃx"O\ x Ñ"iŒâ = HÍ=Ãã # Ü« OŒ`ãÅ , =Ú_ç Ñ" ^€~ãúÅ , q^ °K«ÛùH Î " Úll J<ÕHõ =, Å^è-#

3. çã=Å JOkOK«@OÖ• Ñ"iŒâ = Å LÑ"Hõia" Î<ã"~Ú

~°"ã}ï 'ê^è-<ãÅ J~Ú# |ã" ûÅ , Œ@<õ ^Å , Ô~.à §, " Ú^~ÅQÆ "ãÇ"Î<ã = #O `«"i « QÆu# XHõ ŒáêO`«O# O_ç HÍ=Ãã # ŒáêO`«O#<õ KÕ~° @<õ

Ñ"iŒâ = ÅÖ• çÑÑ"~° , =ÚŒ^~} Ü« OŒ`ãÅ , WO<õ " Ú^~ÅQÆ L` « ZÖIO\ Ñ"Ùã"ÎHÍÅ K«^ =ÙH # @<õ ^~°<õ=Ù. q^€°~°OQÍxH HÍ=Ãã # Ñ"Ú " Úll J<ÕHõ L` «Ê` « ÎÃ# Ñ"iŒâ = Å `«Ü« ~° KÕã" Î<ã"~Ú.

" .^ °Å P~ÀQÆ° Ñ"sHõ Å x~°"Ç ïOK« @<õ , " .^° çã=Å H ~°<õ "ãì ~°HõÎÑ"sHõ KÕÜ«Ú Ñ"iHõ~ãÅ = iÜ«Ú B+^è€Å Jx"Ü«Ú Ñ"iŒâ = Å ã"= = #O = # |O^è- =ÙÅ ÖË^€ çã"Ç ï` « Å`À ã"= Kã~°O Ñ"OK« H # @<õ (HÍ~° ãÅ , Hõ=~° j, 'èìOÑ"ÙÅ , " Úll) ã"OÉèì+ OK« @<õ HÍ=Ãã # > eá¶È# j Jx"Ü«Ú Ñ"iŒâ = Å L` «ÊuÎ KÕã" Î<ã"~Ú.

4. Ñ"iŒâ = Å = #<õ ã""Ü« O ã"O= \$kúx Hõeæã" Î<ã"~Ú

XHõ"Õà ^Õâ OÖ• ZÖIO\ Ñ"iŒâ = Å ÖËHõáÈ~Ú<ã ÖË^€ =ã" Î=ÙÅ ^ÕâßÅ# O_ç HÍ=Ãã # =ã" Î=ÙÅ# kQÆ = u KÕã" HÀ=Ãã =KÕÛk. nx=Åj = W`«~° ^ÕâßÅÃÑ. P^è€~°Ñ" _»=Ãã =KÕÛk. WÖï W`«~° ^ÕâßÅÃÑ. P^è€~° ã"OÉèìqOz = #<õ =ã" Î=ÙÅ# ã"~°Ñ¶"~ã KÕÜ«Ú ^ÕâßÅ ^|tuO>Ë kQÆ = U~°Ê_» # . = #^Õâ O Z<õ ^=QÍ`«# ÃÑŒ\•eÜ« O J=ã"~ãÅ HÀã"O J~°Éò ^Ó HÍÅOÖ• <õ " .\ò ÃÑŒ\•eÜ« O L` «ÊuÎ = iÜ«Ú ZQÆ = u KÕÜ«Ú ^ÕâßÅ / ÃÑŒ\•eÜ« O H ~°« U~°Ê_çOk.

Ñ"iŒâ = Å ^Õâ ŒÑ"[Å Ñ"Å J=ã"~ãÅ<õ HÍ=Ãã # =ã" Î=ÙÅ# L` «ÊuÎ ^ÀÇ"Î^~O KÕã" Î<ã"~Ú. ã•iÅ L` «ÊuÎÖ• = #^Õâ O` e~ÀAAÖ• W`«~° ^ÕâßÅ Ñ"iŒâ = = \$kú K Ok# `«~° "ã` « ã•iÅ L` «ÊuÎÖ• = #O ã""Ü« O áÈ+^Hõ`«O

5. Ñ"iŒâ = Å ZQÆ = `« Å# ÃÑOá†Ok'êÎ~Ú

U^Õâ O <õÄ_® # ~° âß`«O ã""Ü« O ã"O= \$kúx 'êkèOK«ÖË^ . J<Õ HÍ=Ãã # =Ú_ç Ñ" ^€~ãúÅ ÅÉèì°« H ~°« =Åj PÜ« =ã" Î=ÙÅ# kQÆ = u KÕã" HÀ"ãÅO>Ë "ã\ H K e jOKÕ ^è~°# q^Õj= ~°Hõ q^Õj= ~°Hõ Œ^~° P~° #<õ = #O =ã" Î=ÙÅ# `«Ñ"Êxã"iQÍ ZQÆ = u KÕÜ« =

H #QÍ q QÆ Å QÍ =Ù#” L`«Ê`« ÎÅ# W`«~° ^ÕâßÅ<õ ZQÆ = u KÕã `«y# c
 1996-97 ã”OIIÖ• Éèĭ~°`« ^Õâ Ñ”Ù áêiŒâßq Hõ ZQÆ = `« Å ^Õâ O " Ú`«Î
 L`«Ê`« ÎÅ , |OQÍ~° #QÆÅ , ~°OQÆ Å , Ö•Ç”İÑ”iHõ~åÅ , ~°"àĭ Ñ”iHõ~åÅ , Ü
 ŒÑ”uĭ =Œ’êĭÅ , Ô~_ô"Õ _£ ^~ ã” ÎÅ = iÜ«Ú Ç”İã”İHõàĭ L`«Ê`« ÎÅ áêiŒâßq

6. r=<ÁâêkèHõÅÊ# / L^À°QÍ=HÍâßÅ

Ñ”iŒâ = Å L^À°QÍ=HÍâßÅ HõeÊã” Î<å”~Ú. 1990-91 ã”OIIÖ• Éèĭ~°`«
 HÀ@ĭ<õ ÑÑ•QÍ HÍi,<õ Å Ñ”x KÕã” Î<å”~° . ^Õâ O " Ú`«ÎO Œâßq Hõ â H ÎO
 HõeÊã” Î<å”~Ú.

=°=’êÜ« ~°OQÆO`À áÊeÛ`Õ Ñ”iŒâ = ÅÖ• L^À°QÍ=HÍâßÅ KãÖĭ Z<õ
 ç= O£ Ñ”iq`«OQÍ LO_ç ŒÑ”[Å P^€Ü« ’ê÷~ÚÅ ÑÑi QH Åk PÇ”İ ~`«~°
 KÕÜ«Ú@O =Åĭ "å\ H _ç= O_£ ÑÑ~° QÆ `« Ok. ^~ ã” ÎÅ , K Ñ”ÜÊÅ , QÆ
 q +`<£, QÍã áÊ~Ú° " ÚII =ã” Î=ÜÅ<õ _ç= O_£ JkèHõOQÍ HõÅ^~ .

ŒÑ”[Å ã”OY° ÖÊ^€ [<áÊèĭ ÑÑi QH kĭ L^À°QÍÅ<õ _ç= O_£ ÑÑ~° QÆ
 `«y# LáêkèHõÅÊ## Ñ”iŒâ = Å HõeÊOK« K« #”q.

L^€Ç”İ~°>õ ã”=ÚŒ^~ QÆ~°†ùOÖ• ã”Ç”İ[# < Å# J<Õ“+ OK« @<õ
 LÑ”ŒQÆÇ” Å = iÜ«Ú W`«~° Ñ”iHõ~åÅ J=ã”~°= ø`å~Ú. g\ x Ñ”iŒâ = Å

QÆ ~° İOK« HÀ=Åã # JOâßÅ

- x Éèĭ~°`« ^Õâ PiúHõ =°=ã”÷Ö• Ñ”iŒâ = Å XHõ ŒÑ”=ÚY áêŒ`«
- x qxÜ QÆ^€~° Å<õ , L`«Êuĭ Ü« ,x@ĭ<õ HÍ=Åã # qq^è– L`«Ê`« ÎÅ#
KÕã” Î<å”~Ú.
- x ĭã=Å# JOkOK«\ĭxH Ñ”iŒâ = Å LÑ”Hõĩã” Î<å”~Ú.
- x ^Õâ O ã”“Ü« O ã”O=\$kú ’ê^è–#<õ Ñ”iŒâ = Å ã”Ç” Ü« Ñ”_» `« <
- x Ñ”iŒâ = Å ZQÆ = `« Å# ŒáÊ`«ûÇ İã” Î<å”~Ú .
- x ŒÑ”[Å<õ LáêkèHõÅÊ# KÕ<õÄ~° ã” Î<å”~Ú.
- x ã”Ç”İ[=#~° Å# J<Õ“+”}Ö•# , " eH fÜ«Ú@Ö• Ñ”iŒâ = Å ŒÑ”=ÚY

áê~îå°Oâ ŒEN”â ”Å 27.1

1. D ŒEH Ok MĭmÅ# ŒÉİÔH@ĭÖ• WzÛ# Ñ”^€Å`À Ñ”ÓiOK«O_ç.

- i) ŒáÊ^ä–q Hõ ~°OQÆO Ü ÚHõ– ŒÑ”^€# HÍ~°HõÖİÑ”
- ii) 1996-97 ã”OII Éèĭ~°`«^Õâ ZQÆ = `« ÅÖ• áêiŒâßq Hõ L`«Ê`«
(25%)

- iii) 1990-91 ã"OIIÖ• Ñ"iOEâ = ÅÖ• LáêkèHõeæ=Û#” Hlí,õ Å ã"OY° ..
4 HÅ@ i)
- iv) PiúHõ =°=ã"÷Ö• Ñ"iOEâ = Å ~°OQÍxH K O^`ã
2. D OEH Ok "à\ Ö•`«Ñ"ÙÊ/XÑ"ÙÊÅ QÆ iÎOK«O_ç.
- (i) H=ÅO Ñ"iOEâ = Å = OE`«"Õ OEÑ"[Å J=ã"~ãÅõ HÍ=Åã # =ã" Î=ÙÅ
- (ii) ~°"ã}Î, P~ÀQÆ°O, ã"= Kã~°O = iÜ«Ú q^€° ã"s“ã" Å# JOkOK« @Ö•
- (iii) ÉèĬ~°`«^Õâ O ÑÑOE\•eÜ« O L`«ÊuÎÖ• ã"“Ü« O áÈ+”Hõ`«“O Hõeæ
- (iv) ZQÆ = `« Å^€“~ã ã"OáêkOz# OE^=°O# kQÆ = `« Åõ =°Ü« Ñ"iK
- |_»`« #”q.

z#"`«~°Ç" Ñ"iŒâ = Å = iÜ«Ú ÃÑ^`~°Ç" Ñ"iŒâ = Å . = #^Œâ OÖ• ã
Ñ"iŒâ = Å =sæHõ~°} KÕ'êÎ~° . ã ÷~°=,Å^è-#O ÖË^€ ÃÑ@ ì|_çÖ• ã"Oã
'ê= Œy Hõeã =ÜO\~Ü.

XHõ Ñ"iq uH Ö•|_ç ã"Oã÷ Ü« OŒ`åÅ , ÃÑ@ ì|_» Å 'ê÷~Ü =Ü#" Ñ"iŒ
=°=Ç"li'êÎ~° . ÃÑ@ ì|_ç Ñ"ikèx ŒÑ"Éèì`«"O HÍÖI# QÆ }OQÍ x~°'~ÜOK«
`«~°Ç" Ñ"iŒâ = Å ÃÑ@ ì|_ç ~° . 3 HÀ@ ;QÍ x~°'~ÜOK« @O [iyOk. ã"Oã÷Å
=Ü#" Ñ"iŒâ = Å# Éèìs Ñ"iŒâ = Å QÍ Ñ Å 'êÎ~° .

ã) LÑ"Ü y`å^è-i`« =sæHõ~°}
=ã" Î=ÜÅ Ô~O_» ~°HÍÅ . qxÜ QÆ =ã" Î=ÜÅ , L`åÊ^Hõ =ã" Î=ÜÅ , ã
=,_Å~°HõO =sæHõ~°} HõÅ^ . nxx | \ ì, Ñ"iŒâ = Å qxÜ QÆ=ã" Î Ñ"iŒâ = Å

(i) qxÜ QÆ =ã" Î Ñ"iŒâ = Å
qxÜ QÍxH <Ö~° QÍ LÑ"Ü QÆÑ" _»=ã" Î=ÜÅ# `«Ü« ~° KÕÜ«Ú Ñ"
ã"| †Å , Ñ # "Å , QÆ_çÜ« ~åÅ , \ .q., ~_çÜ , ŒÑ¶ *ò, "å+ OQ q + "<£ " ÚI

(ii) L`«ÊuÎ ^€Ü« Hõ =ã" Î=ÜÅ
=ã" Î`«ÊuÎ ŒÑ"ŒH Ü« <õ LÑ"HõiOK« =ã" Î=ÜÅ# L`«ÊuÎ ^€Ü« Hõ /
Z~° =ÜÅ , W# =Ú = iÜ«Ú L<õ -, ã " O@ , ~°'êÜ« xHÍÅ , Ñ"iHõ~åÅ , Ü« OÖ

27.5áêiŒâßq Hõ =\$kúx ŒÑ"Éèìq`«OKÕÜ«Ú HÍ~°}IÅ

áêiŒâßq Hõ =\$kú J<ÕHõ JOâßÅÃÑ. P^è€~°Ñ" _ç x~°'~ÜOK«|_» # .

1. =Ü_çÑ"^€~åúÅ ÅÉèì° «

L`«ÊuÎ ŒÑ"ŒH Ü« Ö•=Ü_çÑ"^€~åúÅ J`«°O`« H©ÅHõ" y# HÍ~°HÍÅ .
Ü« OŒ`åÅ = iÜ«Ú HÍ,õ Å " Ú^~ÅQÆ #q ã"O=\$kúQÍ ÅÉèì°" y`Ö<Ö L`«É

Ñ"iŒâ = ã"OY° ÃÑi Q H kì Z<õ - = " Ú`«ÎOÖ• =Ü_çÑ"^€~åúÅ J=ã"~°
`«y#O`«QÍ ÅÉèì°OHÍHõáÈ`Ö, Ñ"iŒâ = Å Jaè=\$kú ÖË^€ qã"Î~°} <õ O@ Ñ

2. 'êO HuHõ Ñ"i*Î #O

Ñ"iŒâ = Å =\$kúx x~°'~ÜOK« JOâßÅÖ• ŒÑ"=ÚY" y#k. 'êO HuHõ Ñ
Ñ"i*Î #O JkèHõ 'ê÷~ÜÖ• ÅÉèì°O J~Ú`Ö JkèHõ" Ú`«ÎOÖ• L`«ÊuÎ [~° QÆ`
Ñ"iŒâ = ÅÖ• L`«ÊuÎ Hõ#" Ü« OŒ`åÅ ã"Ç" Ü« O`À #_» Ñ"|_» `« #"k Ñ"iŒ

3. J='ê÷Ñ"<å 'æHõ~å°Å ÅÉèì° «

~À_» ;, Ô~.ÖË"Å , q= <åŒâ Ü« Å , =O` #Å , _@°"£ Å , > eá¶È# ;, h\
'æHõ~å°Å Ñ"iŒâ = Å x~°"Ç"i}õ , Jaè=\$kìH KåÖI J=ã"~°O.

'ê^è€~°}OQÍ 'œHõ~â°Å<õ Ñ"iŒâ = L`«ÊuîH = ^è-° QÆÅ ã"O|O^è-
Ñ"iŒâ = Å L`«Êuî, "à\ qã"Î~°, = \$kú D 'œHõ~â°ÅÃÑ.<Õ P^è€~°Ñ" _ç x~°,
q^ ÛK«ÛùH Î ÖEHõáÈ`Õ Uq [~° QÆ <À TÇ İOK«QÆÅ"â? Jx" HÍ=Åã
L`«Êuî J<Õk q^ °K«ÛùH Î ÖEHõáÈ`Õ H #'êQÆ^.

~°â}İ ã^_ áêÜ« Å ÖEHõáÈ`Õ Ñ"iŒâ = Å<õ HõÅ æ ã"= ã"°Å TÇ İOK
Z^ İA|O_»jÃÑ. =ã" Î=ÜÅ# ~°â}İ KÕÜ« =Åã =ã" İOk.

4. = # = #~° Å ÅÉèí° « / HÍi, <õ Å

áêiŒâßq Hõ = \$kìx ŒÑ"Éèìq`«O KÕÜ«Ú JOâßÅÖ• HÍi, <õ Å ÅÉèí° « =
XHõ\ < .Ñ"Ü}°O QÆÅ "â~°, Ô~O_» < .Ñ"Ü}°O ÖËx HÍi, <õ Å . ã"Oã"÷ x
" Ú^_Å H x, ã"Oã"÷# #_çÑ OK« =°='ê÷Ñ"<õ Å =~°<õ = # = #~° ÅÖ• ÉèìQ

5. L^À°y = iÜ«Ú Ü« [= x ã"O|O^è€Å

Ñ"iŒâ = Å ã"ŒHõ= x~°"Ç"İ}<õ L^À°QÆ Å Ü« [= #°O = ^è-° ã"O|O^è-
HÍi, Hõ ã"O|O^è€Å =Ü#" Ñ"iŒâ = ÖÖ• L`«Êuî ŒÑ"ŒH Ü« ZÖİO\ W|†O
HÍi, Hõ ã"O|O^è€Å ã"ŒHõ= OQÍ ÖEHõáÈ`Õ Jk ŒÃãîÂH±û = iÜ«Ú ÖİH±J=Ü
JO^_ =Åj âßOuÜ«Ú«OQÍ = iÜ«Ú Ç"İ\$^Ü« Ñ"Ó~°"HõOQÍ / = ~â°^ Ñ"Ó
ã"O|O^è€Å H #'êyOÑ"Ü J=ã"~°O.

6. =ã" Î=ÜÅ<õ `«y# 'y~âH,, =ÜO_®e

ç= O£ =Ü#" =ã" Î=ÜÅ# L`«Êuî KÕÜ« e. JÑ"ÜÊ_» = Œ`«"Õ =ã" Î=
Ñ"iŒâ = 'ê÷Ñ"#<õ Ñ"Ó~°"Ñ"Ü ÃÑ@ ì|_» Å ÃÑ@ ì@<õ = Ô~\òÖ•H ~âÉ•=
= Ô~\ò ZÖİ LO_®Å<Õ JOâßx" ã" ~"[iÑ _ç= O_£ `«y#O`«QÍ =Ü#" =ã" Î=ÜÅ
ç= O£ `«<õ ^=QÍ =Ü#" ÖË^€ _ç= O_£ ÖEHõáÈ~Ú# L`«Êuî Œáê~°OaèO
`«y# _ç= O_£`À áê@ ZQÆ = `« Å KÕÜ«Ú@<õ `«y# JO`«~â fÜ« = Ô~
J<ÕHõ K«~°Å ^€"~â Ñ"iŒâ = Å# ŒáÈ`«ûÇ İã" Î áêiŒâßq Hõ = \$kúH ^
J='ê÷Ñ"<â 'œHõ~â°Å# ŒÑ"Éèì`â"Å JOkã" Î<â"~Ú. ã"âû_ôÅ, Ñ"# "ÅÖ•
áêiŒâßq Hõ Ü«x@j U~âÊ@ <õ ŒÑ"Éèì`â"Å ŒáÈ`âûÇ İã" Î<â"~Ú.

ŒÑ"Éèì`â"Å Ñ"iŒâ = = \$kúÖ• ã"Ç" Ü« x" JOkOKÕ " .Y~° j ŒÑ"~i
*Hõ°O HõæœOK« @ Hõ<â" "Õ Ö .#k. `«^€"~â ŒÑ"Éèì`â"Å ^è-<â`«Hõ

QÆ ~° İOK« HÅ=Åã # JOâßÅ

- x Ñ"iŒâ = Å Ü« [= #°O, `«~°Ç", LÑ"Ü y`« ŒáêuÑ"KHõ# =sæHõi
- x Ü« [= #°O P^è€~°OQÍ Ñ"iŒâ = Å ŒÑ"Éèì`«" ~°OQÆO, ŒÃÑ
~°OQÆOQÍ =sæHõiOK«|_#.

x	«~°Ç" # J# ã"iOz Ñ"iOEâ = Å Éèls «~°Ç" = iÜ«Úz#" «~°Ç" Ñ"iOE
x	LÑ"Ü y`« P^è€~°OQÍ qxÜ QÆ =ã" Î=ÙÅ = iÜ«Ú áêiOEâßq Hõ Ñ"iOEâ = Å QÍ =sæHõiOK« _ # .
x	=Ú_ç Ñ"^€~åúÅ ÅÉèí° «, 'êO HuHõ Ñ"i*Î # 'ê÷~Ú, = #=â H Î =# = iÜ«Ú OEÑ"Éèí `« áêiOEâßq Hõ q^è€<åÅ Ñ"iOEâ = =\$kúx OEÑ"

áê~îâ°Oâ OEÑ"â "Å 27.2

1. D OEH Ok MïmÅ# Ñ"ÓiOK«O_ç.

- i) OEÑ"Éèí `« Ü« [= #°O`À x~°"Ç İOK« |_» `« # " ã"Oã"÷Å#
=°=Ç"İ'êÎ~° .
- ii) Ç İO^ 'ê÷<£ e=~ü eq > _£ ~°OQÆ ã"Oã"÷.
- iii) OEÑ"Éèí `« = iÜ«Ú q^Õj HõOÃÑhÅ ã"OÜ«ÚHõÎ Ü« [= #°OÖ• x~°
(= ~° f L^À°Q æ¶¶L_)£
- iv) Ñ"iOEâ = ÃÑ@ i|_ç Ñ"i= }O Hõ#" `«õ =QÍ =Ù#
Ñ"iOEâ = Å QÍ Ñ Å 'êÎ~° . (3 HÀ@ i, 3 ÅHõ Å)

2. D OEH Ok "à\ Ö• `«Ñ"ÙÊ/XÑ"ÙÊÅ# QÆ îİOK«O_ç.

- (i) ã " O@ qxÜ QÆ=ã" Î Ñ"iOEâ = <õ XHõ L^€Ç"İ~°}
- (ii) ã"Ü« O K«ÖİHõ Ü« OOE`«O = #=â H Î Hõ<â" Z<õ = ã"OY°Ö• =ã" İ
- (iii) J='ê÷Ñ" # 'æHõ~å°ÅHõ > eá¶È<£ XHõ L^€Ç"İ~°}.
- (iv) ã"Oã"÷Å ã"OEHõ= x~°"Ç"İ}õ Hİi,Hõ, Ü« [= #° ã"O|O^è€Å J=ã"~°

27.6 OEÑ"Éèí `« áêiOEâßq Hõ q^è€# f~å,#O

áêiOEâßq Hõ q^è€#OÖ• OEÑ"Éèí `«"O HÍÖİ# QÆ }OQÍ ~° á†OkOK«
HõÅã =ÙOİ~Ú. áêiOEâßq H©Hõ~°} ^€"~å ã" «Êùe`åÅ# á†O^ @<õ Éèİ~°
q^è€<åÅ# OEÑ""Öâ ÃÑ\ iOk. 'ê" «OÖ`å°#O` «~°O Éèİ~° «OEÑ"Éèí `«"O á
1948 Ö• ` eáêiOEâßq Hõ q^è€# f~å,<âx" OEÑ"Hõ\ OzOk. `«~° "à` « 1956 Ö•
Wk áêiOEâßq HÍaè=\$kú 'ê÷#OÖ• 1991 =~°<õ = ~°æ^~° <õOQÍ xezOk.

=ÚMï°OâßÅ

1956 áêiOEâßq Hõ q^è€# f~å,#OÖ•x =ÚMï°OâßÅ H Ok q^è—OQÍ L<å

1956 f~å,#O Ñ"iOEâ = Å# =,_» *İa`åÅ H O^ =sæHõiOzOk.

*İa`â Z Ö•

*İa`â Z Ö• 17 Ñ"iŒâ = Å <â"~Ú. g\ H ŒÑ"Éèí`«"O ÖË^€ ŒÑ"Éèí`
ŒÑ"Éèí`«" Ñ"iŒâ = Å , PÜ«Ú^è€Å , J} â H Î, W# =Ú, L'õ -, Éèİs q^ 0`ü
x~â,}O, > eá¶È# İ, q^ 0`ü L`«ÊuÎ = iÜ«Ú Ñ"OÑ }© " Ú^Ö .#q.

*İa`â a Ö•

*İa`â aÖ• 12 Ñ"iŒâ = Å HõÅ=Ü. H`«Î ã"Oã"÷Å# ŒÑ"Éèí`«"Ö 'ê
ÃÑOK« 'õ O@ Ok. J~Ú Ö ŒÃÑ.~Ú"Ö@ ~°OQÆO H`«Î ã"Oã"÷Å# U~âÊ@
J=HÍâßÅ x~âHõİOK«^.

Ü« OŒ`« Ñ"iHõ~âÅ , ~°êÜ« xHõ Ñ"^€~âúÅ , Z~° =ÜÅ , ~Å_» İ = iÜ«

*İa`â ã Ö•

*İa`â Z = iÜ«Ú a Ö• KÖ~°Ûx Ñ"iŒâ = Å ã Ö•xH = 'êÎ~Ú. D Ñ"iŒâ = Å
W="|_ # .

ÃÑ. q^è-OQÍ ŒÑ"Éèí`«" = iÜ«Ú ŒÑ""Ö@ ~°OQÍÅ = ^è-° Éİ^è-° «Å
q Œâ = PiúHõ =°=ã"÷QÍ ŒÑ"Hõ\`«" ŷ#k. q Œâ = q^è€#OÖ• ŒÃÑ."Ö@
ã"Ç"İHÍ~°O`À Ñ"Ü~ÀQÆux 'êkè'êÎ~Ú.

^Öâ OÖ• áêİŒâßq Hõ ã" ã ú~°« 'ê÷Ñ Oz, *İfÜ« , JO`«~â fÜ« = Ô~\õ
Éèİ~°« PiúHõ =°=ã"÷# ã"x"~úOKÖ¸ ã L^Öúâ °O`À "#`«# áêİŒâßq Hõ q

D q^è€#OÖ• ŒÃÑ."Ö@ ~°OQÍxH JkèHõ Œáê=ÚY°«# WKâÛ~°. Ñ
Ñ"iŒâ = ÅÖ• ŒÑ""Ö@ ~°OQÍxH ŒÑ""Öâ O J# = uOKâ~°. 1956 áêİŒâ
ŒÑ"Éèí`«" ~°OQÆ ã"Oã"÷ÅÖ• 9 Ñ"iŒâ = Å# ŒÑ""Ö@ ~°OQÆO ŒÑ""Ö
Ñ"iŒâ = , q^ 0`K«ÛH Î, q= #Ü« #O, <ÒHÍx~â,}O = iÜ«Ú Éèİs Ü« OŒ`âÅ .

a) áêİŒâßq Hõ Ö .ÃãxûOQ q^è€#O

áêİŒâßq Hõ Ö .ÃãxûOQ J#QÍ Ñ"iŒâ = Å 'ê÷Ñ"#õ HÍ=Åã # J# = `«
áêİŒâßq Hõ q^è€#O J= Å Ñ"~° Û`« Ñ"iŒâ = Å# xÜ« OŒeuOK« @ WO^
q^è€#O Ö•x =ÚY° ÅH Í°Å .

1. ŒÑ"Éèí`«" q^è€<âÅõ J# QÆ }OQÍ Ñ"iŒâ = Å# Jaè=\$kú Ñ"~°K«
2. ÃÑ^Ì`«~°Ç" Ñ"iŒâ = Å qã"Î~°}# xÜ« OŒeuOK« `« PiúHõ â H Î
3. z#"`«~°Ç" Ñ"iŒâ = Åõ `«y# ~°Hõ }# HõêÊã" Î, ÃÑ^Ì Ñ"iŒâ = Å#
4. ã"= `« Å° ŒáêOfÜ« aè=\$kúx ŒáÈ`âûÇ İOK« @
5. =#~° Å# ã"= ~°ú=O`«OQÍ ã"ŒHõ= OQÍ qxÜ yOK« @
6. Láêkè J=HÍâßÅ# ã"\$+ İOK« @.

U" ÿ#Ñ"Ê\ H© Ö ·ÃãxûOQ q^è€#O ÃÑ~\ Ñ"iŒâ = Å<õ `«y# áÊ\© :
 áêiŒâßq Hõ q^è€#O ŒHõ= ŒHõ= OQÍ Ö ·Ãã# ûÅ á±O~ @<õ HÍ=Ãã #
 H=ÅO 15 Ñ"iŒâ = Å = Œ`«"Ö Ö ·ÃãxûOQ q^è€#O ŒH O~<õ fã" H x ~
 27.7z#" «~°Ç" Ñ"iŒâ = Å áêŒ`«

Éèl~° «^Õâ OÖ• z#" «~°Ç" Ñ"iŒâ = Å JO>Ë D Ñ"iŒâ = ÅÖ• Ü« OŒ
 Hõ<ã" «<õ =. z#" «~°Ç" Ñ"iŒâ = Å# z#" «~°Ç" <õ \©~° Ñ"iŒâ = Å QÍ q
 <õ @ O| ã"Éèl °Å HõÃã Œâ = 'êOŒ~`« Ñ"~ú`« Å^€"~ã, =ã" Îã=Å# `«
 JO\l~° .

z#" «~°Ç" Ñ"iŒâ = ÅÖ• <õ @ O| ã"Éèl °Å`À áê@ W`«~° HÍl,<õ Å`À
 P^è— xHõ L`«Êul Ñ"~ú`« Å# áê\ 'êl~° .

Z) z#" «~°Ç" Ñ"iŒâ = Œáê=ÚY° «

Éèl~° « PiúHõ =°=ã÷Ö• z#" «~°Ç" Ñ"iŒâ = Å<õ J`«°O`« Œáê^è€#

1. Éèls L^À°QÆ J=HÍâßÅ

z#" «~°Ç" Ñ"iŒâ = ÅÖ• `«<õ = ÃÑ@ ì|ç`À <õÄ_ç#q. = #^Õâ OÖ• Jk
 =Ù#" Ñ"iã ÷`« ÅÖ• ÃÑ~° QÆ `« # L^À°QÍÅ HÀã"O Z~° K« ã" Î#" Pã"<
 L^À°QÍÅ ÁÉèl°O J=Ù`ã~Ú.

2. = ~° `« # _ç= O_£<õ `«y# L`«Êul #=, <ãÅ# U~ãÊ@ KÕ¿ã gÅ

z#" «~°Ç" Ñ"iŒâ = Å `«<õ = 'êú~Ú L`«Êul HÍ~°HõÖiáêÅ = Å# "ã\ Ö•
 J# QÆ }OQÍ L`«Êul #=, <ãÅ# = ~° ÚHÀQÆÅ QÆ gÅ HõÅ~.

3. 'ê÷xHõ xÑ"Ù} Å# LÑ"Ü yOK« @<õ J=HÍâ O

Éèl~° «^Õâ OÖ• Jx" ŒáêO`ãÅÖ• =Ù#" ŒÑ"[ÅÖ• < ·Ñ"Ù}°O QÆÅ "ã~
 `«Ü« sÖ• `«y# Œáêg}°O# ŒÑ"~i OÑ"QÆÅ~° . z#" Ñ"iŒâ = x~°"Ç"l<õ Å<õ
 J=HÍâ O Z<õ =QÍ LO@ Ok

4. PiúHõ Jã"= #`«Å# `«yæOK« @<õ ã"Ç"lHõiã" Î<ã"~Ú

Éèls Ñ"iŒâ = ÅÖ• P^€Ü« Å = iÜ«Ú ã"OÑ"~Å H kl= Ok áêiŒâßq Hõ
 z#" «~°Ç" Ñ"iŒâ = Å = Åj P^€Ü« O J<ÕHõ= OkH Ñ"OK«|_» `« Ok. `«^€"

5. ŒáêOfÜ« ã"O`« e`ãàè = \$kú

z#" «~°Ç" Ñ"iŒâ = Å# ^Õâ OÖ• qq^è— ŒáêO`ãÅÖ• < ÅH Å Ê@<õ J
 ŒáêO`ãÅÖ• <õÄ_® g\ x < ÅH ÅÊQÆÅ æ`ã=Ú. JO~ = Åj qq^è— ŒáêO`ãÅ
 z#" «~°Ç" Ñ"iŒâ = Å ã"Ç"lHõiêl~Ú.

a) $\langle \tilde{o} \setminus \odot \sim^\circ, z^\# \rangle \setminus \langle \sim^\circ \zeta \rangle \quad \tilde{N} \setminus i \odot \hat{a} = \mathring{A} \text{ Ja} \hat{= \$} k \acute{u} H \quad \odot \tilde{N} \setminus \acute{E} \acute{e} i \setminus \langle \langle \sim^\circ \rangle \rangle$

1. H x" =ã" Î=ÙÅ L` «Êuîx z#"` «~°Ç" Ñ"iOEâ = Åõ H\~ÚOK« @

z#" `«~°Ç" Ñ"iOEâ = Å# ÃÑ^~ì Ñ"iOEâ = `À áÈe¿ãî Jq P^è- xHõ 'êO H
Ñ"~°Ñ"u, =Ú_ç Ñ"^€~áuÅ ¿ãHõ~°}, " Ú^~ÅQÆ J<ÖHõ =#~° Å# á‡O^~
JO^~ =Åj z#" Ñ"iOEâ = Å# Jã"= #" ÿ# áÈ\© Ñ"iã ÷ `« Å# O_ç ~°H OK« @<â
`«~°Ç" Ñ"iOEâ = Å<õ H\~ÚOK« @ [iyOk. D i[~° " =ã" Î=ÚÅ# H=ÅO z#
KÖÜ« =Åã LO@ Ok.

2. ŒÑ"Éèì `«“ H # QÀà §Ö• ŒÁê^è€#^{0`} « W=" @O

z#`«~°Ç" Ñ"iœâ = Å `«= L`«Ê`« ÎÅ# = Ô~\ OQ KÕÜ«Ú@Ö•J<ÕH
J~Ú`Õ œÑ"Éèí`«"O J<ÕHõ ã"Ç" Ü« Hõ K«~°Å ^€"~å"à`L`«Ê`« ÎÅõ`«y
z#`«~°Ç" Ñ"iœâ = Å L`«Ê`« ÎÅõ`«y# œÁê^è€#°« xã"Î<å"~°.

3. $\tilde{N}^{\sim \circ} \tilde{N}^{\sim} u x \tilde{a}^{\sim} = \langle \tilde{o} \tilde{A}^{\sim \circ} \hat{U} @ O \ddot{O} \bullet J = H \hat{I} \hat{a} O$

"å" [° Éï°O◊õ Å# O_ç Ñ"~°Ñ"ux á‡O^ @Ö• z#" `«~°Ç" Ñ"iOEâ = Å◊õ `◊
1990 ã"OIÖ• z#" Ñ"iOEâ = Å Jaè=\$kú Éï°O◊õ # U~åÊ@ KÖ'ê~°. Wk z#"
ÃÑ@ ì|_» Å# ã"= ◊õÄ~° ã" ÎOk.

4. $P^{\wedge e} - hH\tilde{o} \sim ^{\circ}$

z#”`«~°Ç” Ñ”iŒâ = Å áê`« ’êO HuHõ Ñ”i*ĭ #O, áê`« Ü« Oœ`âÅ`À H #
g\ L`«Êuĭ =°Ü« O Z’õ =QÍ =ÜO@ Ok. JO^— KÕ`« g\ L`«Ê`« ÎÅ fœ=” ÿ#
=ã” ÎOk. JO^— =Å# œÑ”Ééĭ`«“O qq`è— Ñ”^ä—HÍÅ ^€“~â z#”`«~°Ç” Ñ”iŒâ
H# QÀÅ KÕÜ«Ú@’õ KÕÜ«`«xã” ÎOk.

27.80EÑ"Éèì `«“ ã"Oã"÷Å ~°OQÆO - Éèì~°«^Õâ PiúHõ =0
Éèì~°«^Õâ PiúHõ =0=ã"÷Ö•œÑ"Éèì `«“ ~°OQÆ ã"Oã"÷Å XHõ œÑ

1. jŒÑ¶ QÆu áêiŒâßq H©Hõ~°}

ÃÑ@ ì|_» Å ÃÑ@ ì@◊ J#O`«" ÿ# J=HíâßÅ =Ù#" ~°OQÆO ÆÑ"Éèì
 q^è€<åÅ◊ J# QÆ }OQÍ =°=Ç"lìOK«QÆÅ æ ã"= ~°÷`« ÆÑ"Éèì `« ~°OQ
 áêìOEâßq H©Hõ~} 'èkèOK« @Ö• ZO`À ^ÀÇ"l~Ñ" _» `« <å"~Ú.

2. ã"ON"ˆ / PiúHõ â H Î HOCEnHõ\$ «O HÍ'õ O_® x~ÀkèOK« @

œÑ~Éèì`«~°OQÆã"Oã"÷Åã"=[O KÕ`«x~°ÇïOK«|_Õk.UH kì= O

œÑ"Éèí`«`~°OQÆOÖ• Ñ"iœâ = Å 'ê÷Ñ"# =Å; ã"= [O#<õ œÑ"Ü [#O K
ã"œHõ= OQÍ ã"= #`« œáêũÑ"KHõÃÑ. ã"= [OÖ•x Jx" =~åæÅ<õ Ñ"OK«|_»

3. œÃÑ."Õ@ ~°OQÆO KÕÑ"@ìÖËx Ñ"iœâ = Å 'ê÷Ñ"# = iÜ«Ú = \$kú
ã•ìÖòá¶êjO@ j, _®°£ Å , Ô~.ÖË"Å , h\ áê~° ^—Å œáê* <õ ìÅ " Ú|| ÉèÏ
J=ã"~°= `« Ok = iÜ«Ú "å\ # O_ç œÑ"uÑ¶"ÖÏÅ HÀã"O n~°fHÍÅO "Õz=ÜO
'ê÷Ñ"#<õ œÑ""Õ@ =°<õ ÎÅ W+~"i« HõxÑ OK«^— . HÍx ÃÑ. Ñ"iœâ = Å =Å; j
~°HõO Ñ"iœâ = Å# < ÅH Å Ê@, = \$kúÑ"~° Û@ œÑ"Éèí`«`~°OQÆ ÉÍ^è—

4. ã"O`« e`« œáêOfÜ« aè= \$kú

~À_» j, q^°K«ÛùH Î, h\ =ã"u, ~°å}Ï ã"~ áêÜ« Å , q^€°œHõ~å°Å
JO^— ÉÍ@ Ö•=Ü#"Ñ"Ü_» = œ«"Õ œÑ""Õ@ ÃÑ@ ì|_ç ^€~° Å Ñ"iœâ = Å
ÃÑ.# ;Ñ~ ~#" 'œHõ~å°Å =ÜO_»=Ü. JO^— =Å; œÑ"Éèí`«""Õ `«<õ ~ = Jaè=
U~åÊ@ KÕÜ«Ú@. ^€~å ã"O`« e`« œáêOfÜ« aè= \$kúx 'êkèOK«QÆÅ æ

5. ÖÏÉèÏÅ Ñ"Ü#óÃÑ@ ì|_çQÍ LÑ"Ü y'êÎ~°

œÑ""Õ@ ~°OQÆOÖ• KåÖÏ=~°<õ ã"Oã"÷Å Pi Oz# ÖÏÉèÏÅ Ü« [= #°O
œÑ"Éèí`«`~°OQÆOÖ• ZÖÏO\ ÖÏÉèÏÅ Ñ"ON"~HõO =ÜO_»^— . JO^— =Å#
ÃÑ@ ì|_çQÍ = ~°`« Ok. Ñ¶"e`«OQÍ áêiœâßq H©Hõ~°} "ÕQÆOQÍ Ñ"ÜOA

27.9œÑ"Éèí`«`~°OQÆ ã"Oã"÷Å ã"= ã"°Å

ÉèÏ~°«^Õâ PiúHíaè= \$kúÖ• ZO`À H©ÅHõ" y# áêœ`«# œÑ"Éèí`«`~°
Jq J<ÕHõ ã"= ã"°Å# Z^— ~ ~O@ <å"~Ü.

ã•ìÖò J^è€ì\© PÑ¶ WO_çÜ« eq > _£, ÃÑœ\•eÜ« O = iÜ«Ú ã"Ç"Ï| "å
ZÅçH ìHõÖò eq > _£ " Ú^—ÅQÆ ã"Oã"÷Å ÖÏÉèÏ~° # *Ëã" Î#"Ñ"Ê\ H© Jkè
á±O^— `« <å"~Ü. L^€|| ÃÑ¶iïÖ .[~ü HÍ~ Ê ~+~<£ PÑ¶ WO_çÜ« , ~åœ+•iÜ
HÍ~ Ê ~+~<£ " Ú|| "å°áê~° Ñ"~°OQÍ ÖÏÉèí^€~ÜHõOQÍÖË=Ü. WO^— <õ QÆ

1. "å°áê~° ^—\$+ ìÖ• ã"Oã"÷Å 'ê÷Ñ"# [~° QÆHõáÈ=@O

œÑ"Éèí`«`~°OQÆ ã"Oã"÷Åh" " # Hõ|_ç# œáêO`åÖ• ã"O`« e`« œ
KÕÜ« |_ç#q. Jq "å°áê~° ^—\$HõÊ^ä—OÖ• < ÅH ÅÊ |_ÕqHÍ=Ü.

2. œÑ"Éèí`«`*•Hõ°O

œÑ"Éèí`«`~°OQÆ ã"Oã"÷Å x~°"Ç"Ï}Ö• q ug i# œÑ"Éèí`«`*•Hõ°O =Å
fœ=" y# *ÏÑ"°O [~° QÆ `« Ok.

ã"= ~°ú=O`«OQÍ Ñ"xKÕã # L^À°QÆ Å'õ ZÖïO\ ŒáÈ`âûÇ"İHÍÅ

4. $\text{O} \text{E} \text{a} \text{e}^* \text{ } \langle \tilde{\text{o}} \text{ } \text{i} \text{A} =^0 \ddot{\text{U}} \text{ } \langle \text{O} \text{K} \text{a} \text{A} \text{Z} \langle \tilde{\text{o}} \text{ } =$

5. 'áÈ\©,, ÖËHõáÈ= »O

6. JkèHõ ã"OY⁰Ö• L^À⁰QÆ Å

27.10 áêiŒâßq Hõ ~°OQÆO Ñ"x f~°

1. áêiŒâßq Hõ L`«ÊuÎ

Ñ\ ìHõ 27.1

27.1 N~\` iHõÖ• W=“|_ç áêiŒâßq Hõ L` «ÊuÎH N~jjeOKÕ 1950-51. Wk
ÃN~°QÆ `« <Õ =ÙOk. áêiŒâßq Hõ =\$kú QÆ`« 45 ã”OIIÅÖ• 16 Ô~@ ; Ã
= ^°HÍÅOO• = ~° ÊÅˆõ Ö•< .#k. 1980-81 # O_ç 1990-91 = ^è–°HÍÅOO• =\$
"ài¬Hõ =\$kú ~@ 8 âß`«OQÍ HõÅ^.

2. H x" xiú+"i" ÿ# ZON HõKÕÜ« |_ç# Ñ"iOEâ = Å Ñ"xf~° .
H x" ZON HõKÕÜ« |_ç# Ñ"iOEâ = Ñ"xf~° # Ñ"ije^èO.

Ñ"\ iHõ 27.2 Ö• D Ñ"iOEâ = Ñ"xf~°

Ñ"iOEâ =	Ü« x@	1950-51	1960-61	1970-71	1980-81	1990-91	1995-96
ÉÁQÆ æÅHõ Å @# "Å		323	552	7130	2251	2920	
ÃÑOE\•eÜ« O II		3	5	68	105	330	351
Ü« OOE`«							
Ñ"iHõ~ãÅ° . ÅHõ Å		30	84300	16920	77310	10530	
P\•" ÚÉ .ÖÖÅ		16.5	54.8	87.9	121.1	366.3	676
Ô~.ÖË" "ã°QÆ# ; II NA		9	11	13	25	19	
< .IIZ~° =ÜÅ@#"ÖÅ		9	99	830 2164	6993	8762	
ã " O@ ÅHõ Å @# "Å		27	80	143	186	480	693
OEÑ"uí=OE'êÎÅ HÀ@ ;		421	674	7601543	8371725		

QÆ`« <ãÅ QÆ ^~ãßÉÍúÅ HÍAOÖ• Ñ"iOEâ = Å ã"OY° Ñ"iyOk. áeiOEâ
Ö•Ç"Í L`«È`« ÎÅ , ~°êÜ« xHÍÅ ~°ã}Í Ñ"iHõ~ãÅ = iÜ«Ú 'êO HuHõ Ñ"iOEâ
=\$kú K Ok<ã~Ú. g\ =\$kú 'êOEÑ"iOEâ = Å Hõ#" "ÖQÆC

3. z#" `«~°Ç" Ñ"iOEâ = Å Ñ"xf~°

áeiOEâßq Hõ ~°OQÆOÖ• " Ú`«ÎO "ã°áê~°OÖ• z#" `«~°Ç" Ñ"iOEâ = Å
ZQÆ = `« ÅÖ• g\ "ãÍ 45% = iÜ«Ú " Ú`«ÎO ÉèÍ~°`«^Õâ ZQÆ = `« ÅÖ• 34°

L`«ÊuíÖ• D Ñ"iOEâ = Å 11.4% =\$kú ~@ # 1995-96 ã"OII #çõ Hõeæ =
=\$kú ~@ `À áÈeÛ`Ö z#" `«~°Ç" Ñ"iOEâ = =\$kú ~@ Zçõ =QÍ<Ö Lok.

4. OEÑ"Éèí`« ~°OQÆ ã"Oã÷Å Ñ"xf~°

_çáê~°`i" O@ PÑ¶ Ñ"a;H± ZO@~üOEÃÑ.[~ü "ã~° "ái~Hõ OEÑ"Éèí`
96ã"OII Ö•Ñ"Å 104 OEÑ"Éèí`« ~°OQÆO ã"Oã÷ÅÖ• 51 Ñ"iOEâ = Ñ"xf~°
Jâß[#HõOQÍ ÖË^.

W\©=Å HÍAOÖ•, OEÑ"Éèí`« ~°OQÆ ã"Oã÷Å Ñ"xf~° ÖËÉèí^Ü« Hõ

QÆ ~° ÍOK« HÀ=Åã # JOâßÅ .

- x ÉèÍ~°`«^Õâ O q OEâ = PiúHõ =°=ã÷# Hõeæ=ÜOk. OEÑ"Éèí`« =
x ~útOK«|_ # . 1956 áeiOEâßq Hõ q^è€<ãÅ OEÑ"Éèí`« ~°OQÆ
HõeÊOK # . J~Ú`Ö 1991- áeiOEâßq Hõ q^è€#OÖ• OEÑ"Éèí`«~°
- x ÉèÍ~°`«^Õâ OÖ• Ñ"iOEâ = Åçõ Ö .Ãã<£ûÅ# *Ís KÕÜ«Ú@Ö• H x

	Z) ŒÑ"Éèí`«" q^è€<ãÅ# J= Å Ñ"~°K« @, a) Éèí's Ñ"iŒâ = Å qã" `«yæOK« @ ã) áÈ\©# O_ç z#" `«~°Ç" Ñ"iŒâ = Å# ~°H OK« @ 'êkèOK« @ P Láêkè J=HíâßÅ# ÃÑOá†OkOK« @.
x	z#" `«~°Ç" Ñ"iŒâ = Å# Éèí~°` «^Õâ OÖ• < ÅH ÅÊ@OÖ• D ŒEH O fã" HÀ _» # . Z) Láêkè HõÅÊ# 'ê= ~°ú°O, a) 'ê÷xHõ < .Ñ"Ù}°O QÆÅ 'áxâ H Í 'ê= ã) P^€Ü« O Jã"= #` «Å# `«yæOK« @ = iÜ«Ú_ç) ã"O` « e` « ŒÉá
x	z#" `«~°Ç" Ñ"iŒâ = Å# Ñ"i~°H OK« @Ö• ŒÑ"Éèí`«" K«~°°Å : L` «Ê` « ÍÅ'õ `«y# i[~°+°# ; J= Å Ñ"~° K« @ Ñ"~°Ñ"u ã"~° áêÜ« x" HõeÊOK« @ P^è– hHõ~°} Ö• ã"Ç" Ü« Ñ"_» @O
x	ŒÑ"Éèí`«" ~°OQÆ ã"Oã"÷Å ^Õâ áêiŒâßq H©Hõ~°}õ J` «°=ã áêiŒâßq Hõ"Õ` «ÍÅ KÕ` « ÅÖ• HOŒEnHõ\$` «O HÍ'õ O_® LO_» KÕÜ« ÖËx Ñ"iŒâ = Å# ŒÑ"Éèí`«" ~°OQÆO ã"Oã"÷Å ^€~°ã ŒE ŒÉáêOfÜ« aè=\$kl = iÜ«Ú ÖÍÉèíÅ# uiy ÃÑ@ ì _» Å QÍ = ÅK« @ J=ã"~°O.
x	"ã} [° ^èÀ~°} `À Ñ"iŒâ = Å 'ê÷Ñ"# [~° QÆHõáÈ=@O JuQÍ ŒÑ ŒÉáÈ`ãûÇ"ÍHÍÅ ÖËHõáÈ=@O, Z=iÃÑ. Éí^è–° «# QÆ iKÕÜ« Hõ L^À°QÆ Å =ÜO_» @O =O\ Ñ"Å ã"= ã"°Å# ŒÑ"Éèí`«" ~°OQÆ
x	Éèí~°` «^Õâ áêiŒâßq Hõ L` «Ê` « ÍÅ 1950-51 # O_ç 1995-96 = ' ÃÑiQÍ~Ú. Éèí~°` «^Õâ " Ú` «ÍO áêiŒâßq Hõ L` «ÊuÎÖ• 40% z#" `«~°Ç" Ñ"iŒâ

27.3 áê~îã°Oâ ŒÑ"â "Å

1. D ŒEH Ok MĩmÅ# ŒÉÍÔH@;Ö• W="|_ç# Ñ"~°ÅÖ• ã"iÜ ÿ # ^€xx ZO
 - i) 1956 áêiŒâßq Hõ q^è€#O Ñ"iŒâ = Å# Ã+_» °ÖòûQ
 - ii) 1991 áêiŒâßq Hõ q^è€#OÖ• 17 ŒÑ"Éèí`«" ~°OQÆ ã"Oã"÷ÖÖ•
` ÅyOK # . (9, 10)
 - iii) Ö .ÃãxûOQ q^è€#OÖ• Ñ"iŒâ = Å qã"Í~°}# x~/
(ÃÑ^~ì` «~°Ç" , z#" Ñ"iŒâ = Å)
 - iv) Ñ"iŒâ = Å q #Ç" W` «~° Ñ"iŒâ = Å'õ Ö .ÃãxûO
 - v) z#" `«~°Ç" Ñ"iŒâ = Å 'êOŒ^~` « HõÅq (ÃÑ@ ì|_»

áê~îâ°O`«~° ŒÑ"â "Å

1. Éèĭ~°« PiúHõ =°=ã"÷Ö• Ñ"iŒâ = Å Œáê=ÚY°«# q=iŒÑ"Ù=Ú.
2. áêiŒâßq Hõ =\$kúx ŒÑ"Éèĭq`«O KÕÜ«Ú qq^è— HÍ~°}ĬÜ« qÑ"ÙbHõ
3. Éèĭ~°« áêiŒâßq Híàè=\$kúÖ• ZO^— ‹õ z#"«~°Ç" Ñ"iŒâ = Å‹õ JkèH
4. ã"OH Ñ"Î ã"= ^è€<âÅ Œ"âÜ«Ú=Ú.

Z) Ñ"iŒâ = Å =sæHõ~°} ŒáêuÑ"KHõ Uk?

a) 1956 áêiŒâßq Hõ q^è€#O Ü ÚHõ~ x~°Ü« Å Uq ?

5. Ö .ÃãxûOQ Å *ĬsKÕÜ«Ú@Ö• QÆÅ =ÚY° ÅH Í°Å# ĭÑ~ ¯#O_ç.
6. z#"`«~°Ç" Ñ"iŒâ = Å# ÃÑOá†OkOK« @‹õ ŒÑ"Éèĭ`«“O KÕÑ"Ĭ ì#
7. Éèĭ~°« ŒÑ"Éèĭ`«“ ~°OQÆ ã"Oã"÷Å áêŒ`«# qâšĭ+ OK« =Ú.
8. ŒÑ"Éèĭ`«“ ~°OQÆ ã"Oã"÷Å Z^— ~ ¯O@ #” ã"= ã"°Å Uq ?
9. áêiŒâßq Hõ ~°OQÆO x~°“Ç Ĭã" Ĭ#” áêŒ`«ÃÑ. x"ÕKHõ ~° á†OkOK«

["â| Å

áê~îâ°Oâ ŒÑ"â "Å 27.1

1. ĩ) =°=éÜ« ĩ) 5 HÅ@ ĩ) k(ŒÜ«
2. ĩ)`«Ñ"ÙÊ ĩi) XÑ"ÙÊ ĩiii)`«Ñ"ÙÊ ĩiv)`«Ñ"ÙÊ

áê~îâ°Oâ ŒÑ"â "Å 27.2

1. ĩ) ŒÑ"Éèĭ ĩi) ŒÑ"Œ(Õ@) = ~Œ f L^À°Q eq >iv) Æ HÅ@ ĭ
2. ĩ)`«Ñ"ÙÊ ĩi) XÑ"ÙÊ ĩiii) XÑ"ÙÊ ĩiv)`«Ñ"ÙÊ

áê~îâ°Oâ ŒÑ"â "Å 27.3

(i) 3 (i) 9 (i) ÉèĬs iv)(15 v) Œâßq ‹õ Å

áê~îâ°O`«~° ŒÑ"â "ÅHõ P^è€~âÅ

1. ĩ) qxÜ QÆO, L`«ÊuĬ H ~°‹õ HÍ=Åã # =ã" Î=ÜÅ`«Ü« s
(ii) ĭã= ~°OQÆÑ"Ù L`«Ê`« ÎÅ
(iii) ã"Ü« O ã"O= \$kúH ^ÀÇ"Ĭ^—HÍi
(iv) ZQÆ = `« Å# ŒáÈ`âûÇ ĬOK« @
(v) r=<ÁáêkèH =,ÅO
(i) ã"Ç"Ĭ] =#~° Å J<Õ"+"}Ö• ã"Ç" Ü« Ñ" _» # .
2. ĩ) =Ú_ç Ñ" ^€~âúÅ ÅÉèĭ°«

- (ii) 'êO HuHõ Ñ"i"i #O Ü ÚHõ- ÅÉè°# = â H Î =#(° Å ÅÉèí° «
(iv) Ü« [= x = iÜ«Ú L^À°y ã"O|Ovè<Å Î=ÙÅ'õ _ç= O_£
3. (i) JkèHõ Láêkè 'ê= ~°ú°O
(ii) = ~° `« #» _ç= O_£ J# QÆ }OQÍ = ~° Ê
(iii) 'ê÷xHõ < ·Ñ"Ü}°OQÆÅ "ái 'ê= ~°ú°O LÑ"Ü yOK« H # @
(iv) P^€Ü« Jã"= #`«Å `«yæONñ"ÜÖ• ã"Ç" Ü« Ñ" _» @
(v) ã"O`« e`« ŒáêOfÜ« aè=\$kú
4. Z) =, _» Œáêü Ñ"khõÅ . Ü« [= #°O `«~°Ç" = iÜ«Ú LÑ"Ü y`«
a) ŒÑ"Éèí `«" = iÜ«Ú ŒÑ"Ö@ ~°OQÍÅ# x~°"zOK« @
5. (i) ŒÑ"Éèí `«" q^è<åÅ'õ J# QÆÖQÍJæç=\$ñüŒâ € = \$kú / qã"Î~°} x
(ii) 'áÈ\©,, # O_ç z#" `«~°Ç" Ñ"iŒâ = Å# Híáê_» @
(iii) 'áÈ\©,, # O_ç z#" `«~°Ç" Ñ"iŒâ = Å# Híáê_» @
(iv) ã"O`« e`« ŒáêOfÜ« aè=\$kú
(v) =#~° Å ã"ŒHõ= qxÜ QÆO
(vi) Láêkè J=HíâßÅ# " ~° QÆ Ñ"~° Û@
6. (i) H x" L`«Ê`« ÎÅ i[~" + "<£
(ii) ŒÑ"Éèí `«" H # QÀà §ÖÖ• Œáêux^è-°O
(iii) | }İÅ = OE~° Ö• Œáê^è€#°`«
(i) P^è- hHõ~°}Ö• ã"Ç" Ü« O
7. (i) jŒÑ"Œ" áêiŒâßq H©Hõ~°}
(ii) PiúHõ â H Î HOŒEnHõ\$`«O HÍ'õ O_® x~°ÀkèOK« @
(iii) ŒÑ"Ö@ =°'õ ÎÅ 'ê÷Ñ OÖËx Ñ"iŒâ = Å< ÅH Å Ê@
(iv) ã"O`« e`« ŒáêOfÜ« aè=\$kú
(v) ÖİÉèİÅ uiy ÑÑ@ i|_çQÍ = ~° Û@.
8. (i) "å} [° ^-\$+ ì`À Ñ"iŒâ = Å 'ê÷Ñ"# [~° QÆHõáÈ=Ü@
(ii) q ug i# ŒÑ"Éèí `«" *•Hõ°O
(iii) ŒáÈ`åûÇ"İHÍÅ# = iÜ«Ú ÉÍ^è-°`« =°H ÎQÆ`«OQÍ ÖËHõáÈ=Ü@
(iv) Œáê* 'õ İÅ JkèHõ =°Ü« O`À 'õÄ_ç#q
(v) áÈ\© ÖËHõáÈ=_»O
(vi) JkèHõ ã"OY°Ö• ã |†Ok =ÜO_» @
9. 27.10 K«^-=O_ç.

28. =⁰= 'êÜ« =Ú = iÜ«Ú áêiŒâßq
 ~°ŒQÆ=ÚÅ Ñ"~°ã"Ê~° P^è€~°

(Interdependence of Agriculture and Industry)

28.1 L'application f «=

=0='êÜ« -áêiŒâßq Hõ ~°OQÍÁ (líftíð) ð=0'êÜ« O ŒÑ"[Ä ¨ J=a~°
PÇ" ~° Ñ^€~°ú=ÚÅ# JOkã" ÍOk. áêiŒâßq Hõ ~°OQÆO ŒÑ"[Å HÀ ~ W
|@ j, Ñ"Ùã"ÎHÍÁ , ~°"à}l'ê^è- <åÅ " Ú^Ö .# "à\ x JOkã" ÍOk. PÇ" ~°, PÇ" ~
r=<åx" H # 'êyOK« _®xH J` «°=ã~°" y#q. HÍ|\ ì =0='êÜ« -áêiŒâßq Hõ ~°O
LO_ç f~°=Åã O^Õ. ŒÑ"[Å HÀÔ~- Å# ã"O` «\$Ñ Î Ñ"iKÕ q+ "Ü« OÖ• D Ô~O_
=\$kú K O^€e. =0='êÜ« ~°OQÆ=\$kú 'êkèOK« ¨ O_® áêiŒâßq Híàè=\$kúx 'ê
ÖË ¨ O_® =0='êÜ« ~°OQÆ=\$kúx 'êkèOK« ÖË=Ú. _ç= O_£ ã"Ñ"j Üü Å ¨ ã"
=0='êÜ« ~°OQÆOÃÑ. Ñ"xKÕ ç ã"a~° áêiŒâßq Hõ =ã" Î=ÚÅ# ¨ öÄ_® _ç= O_
=0='ê~ÚHõ =ã" Î=ÚÅ# _ç= O_£ KÕ'êî~°. =0='êÜ« ~°OQÍxH áêiŒâßq Hõ L
~°OQÍxH =0='ê~ÚHõ ~°OQÆ=Ú =Ú_ç Ñ^€~°÷=ÚÅ# JOkã" ÍOk. HÍ|\ ì D
ã"O|O^è=-ÚO^<Ök ã"Ê+ "ìO. D áê~îâ°Oâ ÅHõ °O D Ñ"~°ã"Ê~° P^è€~°

28.2 ÅH Í⁰Å

D áê~îâ°Oâ =Ú J^è-°Ü« #O KÕã # `«~â°`« g ~° ` Å ã¨ H <Õq.

x =0='êÜ« ~°OQÆOÃÑ. áêiŒâßq Hõ ~°OQÆ P^è€~åx” q=iOK« @.

x áêïŒâßq Hõ ~°OQÆOÃÑ. =°=’êÜ« ~°OQÆ P^è€~åx” q=iOK« @.

28.3 =0='êÜ« ~°OQÆOÃÑ. áêiOEâßq Hõ ~°OQÆO Uq^è—C

=0'êÜ« ~°OQÆ=Ú áêiœÊâßq Hõ ~°OQÍxH D œH Ok q^è–OQÍ ã“Ç”

1. áêi0Eâßq Hõ ~°OQÆ=Ú =°=êÜ« ~°OQÆ=Ú # O_ç =Ú_çÑ¨^€~áuÅ#

qq^è- Ñ"iOEâ = Å'õ J=ã"~" ÿ# =Ú_çÑ"^\epsilon~÷=ÚÅ# =°='êÜ« ~°OQÆ
=°='êÜ« ~°OQÆO JOkã" ÎOk. Ñ"\ ìHõ 28.1. #O^ =°='êÜ« ~°OQÆ=Ú # Oz
á±O^ `âÜ K« _»=K« Ũ.

Ñ\ ìHõ 28.1

Ñ"iŒâ =	=Ú_çÑ"ˆ€~°ú=Ú
1. =GN"iŒâ =	=Ú_çÑ"uĭ
2. # < ÅÑ"iŒâ =	# < yO[Å , H ti " Úllq.
3. Ñ"OK«ˆ€~°	K ~° <õ
4. * o L`«Ê`« ÎÅ	* o
5. \©	`ÕÜ« <õ
6. HÍÑ¶•	HÍÑ¶• yO[Å
7. > ÿ~° ĩ = iÜ«Ú @ ° Å	<ÕK« ~°Öò ~° †~°

H`«Î ã"Qã"÷Å#)ê÷Ñ OKÕH Åk, L#" ã"Oã"÷Å qã"liON"|_ç, =Ú_ç Ñ" ãÑ~° QÆ`« Ok. D ãÑiy# _ç= O_£# H=ÅO =°='êÜ« L`«Ê`« ÎÅ =Œ`«"Õ

2. =°='êÜ« ~°OQÆOÖ• Pˆ€~°Ñ" _ç# [<åÉèĭ áêiŒâßq Hõ =ã" Î _ç= O. =#"áo " Ú`áĭxH PÇ" ~°O Œáêˆè–q Hõ J=ã"~°O. D J=ã"~°O fi#`«~° =Œ'êĬÅ , | @ ĩ, Wà ĩ, ãã-H à §, É•iOQÆ Ñ"ON"ÙÅ , Œ\ìHõì~° ĩ, <õ @ ìq + q +`<£ " Úˆ–ÅQÆ "à\ x = # HÀÔ~Å f~° ÛHÀ=_®xH Pt'êĬ=Ú. g\ x"O\ h áé

Éèĭ~°«ˆÕâ OÖ• ˆ€ˆ€Ñ"Ù 2/3 =O`« [<åÉèĭ, ˆ€ˆ€Ñ"Ù 60 HÀ@ĩ = =°='êÜ« J# ÉOˆè–=\$`« ÎÅÖ• x= QÆ"= ~Ú<ã~° . giH PÇ" ~`«~° =ã" Î=Ú, =Œ'êĬÅ , Wà ĩ, | @ ĩ, Ñ¶"i"K«~° , qˆ–°ü, "åÇ"Ĭ<åÅ " Úˆ–Ö .#q <õÄ_® HĬ=Å ~°OQÆO JOkã" ÎOk. nxx \ ĩ =°='êÜ« ~°OQÆO ãÑ. áêiŒâßq Hõ ~°OQÆO =°='êÜ« ~°OQÆOÖ•x "âiH Pˆ€Ü« Å `«<õ _=QÍ L#" @ĩ~Ú"Õ, "âi áêiŒâßq H LO@ Ok. HĬ\ ĩ áêiŒâßq Híàè=\$kú =°='êÜ« ~°OQíàè=\$kú ãÑ. Pˆ€~°Ñ" =°='êÜ« ~°OQÆ =\$kú J`å°=â °HõO. áêiŒâßq Hõ ~°OQÆOÖ• Ñ"xKÕĭã ~°OQÆOÖ• Ñ"xKÕĭã "âi Pˆ€Ü« Å <õÄ_® ãÑ~°QÆ=Åã LO@ Ok.

3. áêiŒâßq Hõ ~°OQÍxH J=ã"~°" ÿ# Œâßq <õ Å# =°='êÜ« ~°OQÆO . XHõ JÖĬÊaè=\$kú K Ok# ˆÕâ O Œáêˆä–q HõOQÍ =°='ê~ÚHõ ˆÕâ O. ~°OQÆOÖ• Œâßq <õ Å `« Å<ã`«,Hõ J=ã"~°O `«QÆ æ`« Ok. nxH =ÚY°Œ ãÑiy#H Åk PÇ" ~°Ñ"ˆ€~°÷=ÚÅ _ç= O_£ ãÑ~° QÆ`« Ok. HÍx = Oˆ–QÆ PÇ" ~åx" `«<õ _= Ñ"i= }OÖ• qxÜ y'êĬ_» . W`«_» =ÚY°OQÍ <ã}°" ÿ# PÇ" ~ PÇ" ~° Ñ"ˆ€~°ú=ÚÅ _ç= O_£, = Oˆ–QÆ= # ~@ Ö• ãÑ~° QÆ`« Ok.

Ô~O_»=HÍ~°}O, " ~° ÔQ.#Ñ~i*ĭ #O, <å}°" ÿ# q`«Î<åÅ, Z~° =ÙÅ, Ñ~U
 =ã~`« Å " Ū~ÅQÆ 'œHõ~å°Å=Å# =°='êÜ« ~°OQÆOÖ•ÃÇĬHĭ~° ã~QÆ@
 Éèĭ Ñ~i= }OÖ•, J^Ō " Ū`«ÎOÖ•L`«Êuĭ KŌÜ« _®xH, QÆ`«OÖ•Hõ<å" Z<õ
 L^€Ç~ĭ~°}# Ñ~ije^€úO.

XHõ xÜ« q`« Éèĭ Ñ~i= }OÖ•, 10 = Ok œâßq <õ Å <åQÆe =O\ Ñ~U~å
 Ñ~xKŌã~ Î<å"~°x Éèĭq^€úO. WÑ~ÜÊ_» giH <åQÆà § 'ê÷#OÖ•œĬHõĭ~°j =
 WÑ~ÜÊ_» QÆ`«OÖ•"å_ç# 10 = OkH |~ Å #Å QÆ ~° ÖÊ^€ S^~ QÆ ~°
 q ye# œâßq <õ Å q QÆ Å œâßq <õ Å J=U`å~°.

= ~ Hõ " .Ñ~U PiúHíaè=\$kú 'êkèON~|_ç, P^€Ü« Å =\$kú K Ok áèiœâ
 Ñ~° QÆ `« Ok. Ñ~iœâ = Å Ñ~°QÆ_»O =Å# J^~Ñ~U œâßq <õ Å J=ã~
 œâßq <õ Å D áèiœâßq Hõ ~°OQÆOÖ•ã~° ÌÉĬ@ KŌÜ« |_»`å~°. œâßq
 PiúHíaè=\$kúÖ• Ñ~° QÆ `« #» áèiœâßq Hõ ~°OQÆO áêœ`Ō. D q^è~C
 J=ã~°" ÿ# œâßq <õ Å# JOkã~ ĬOk.

4. áèiœâßq Hõ ~°OQÆOÖ•x= QÆ~" ÿ# "âiH =°='êÜ« ~°OQÆO PÇ~
 =°='êÜ« ~°OQÆO =#=ÜxH œâê^ä~q Hõ J=ã~°" ÿ# PÇ~ ~âx" JOk
 ^è€<å°Å, <õÄ~°QÍÜ« Å, Ñ~O_» j, ã~ QÆO^è~k# ã~ Å = iÜ«Ú áêhÜ« Å# JO
 ~°OQÆOÖ•, çã~å~°OQÆOÖ•, =°='êÜ« ~°OQÆOÖ•Ñ~xKŌã~ Ĭ#» "å~°O^~i,

áèiœâßq Hõ ~°OQÆOÖ•x= QÆ~" ÿ# "å~° œÑ~`«°Hõ OQÍ =°='êÜ
 Ñ~^€~áúÅ ÅÉèĭ°« Ö•x W|†O^~ Å H`«Î áèiœâßq Hõ Ü«_x@j 'ê÷Ñ~#Ñ~.
 Ö•@ # œâßq <õ _» QÆ= xOz#@j~Ú Ō J`«_» áèiœâßq Hõ~°OQÍxH |k
 œâêO`åÅÖ•ã~œHõ= " ÿ# PÇ~ ~°Ñ~^€~áúÅ ÅÉèĭ°« , áèiœâßq Híaè=\$kú

5. áèiœâßq Hõ ~°OQÍxH =°='êÜ« ~°OQÆO x^è~ Å= ~°æO.

œQÍg } œâêO`åÅÖ•x œÑ~[Å "âi á†~ Ñ~ÜÅ# Éĭ°O<õ ÅÖ•# , áÈ'èiÑ~
 Ö•# [= KŌ'êĭ~° . H x" Ñ~iq`« Å =Å# g~° "âi á†~ Ñ~ÜÅ# =°='êÜ« ~°OQÆ
 œâ ^~úK« Ñ~° . nx=Åj D œQÍg } á†~ Ñ~ÜÅ Éĭ°O<õ Å ^€~å Ñ~@ĭ} œâê
 = ~°Å`å~Ú. =°='êÜ« ~°OQÆOÖ•x JkèHõ P^€Ü« =Ú JkèHõ á†~ Ñ~ÜÅ<õ ,
 ^€ĭf'êĭ~Ú. D HÍ~°}OQÍ áèiœâßq Hõ ~°OQÍxH =#~° Å ÅÉèĭ°« Ñ~° QÆ `« C
 =°='ê~ÚHõ =\$kú`À œÑ~`«°Hõ ã~O|O^è~O L#~^~x K Ñ~Ê=K« Ū.

= #O Ñ~# çÑ~`#» JOâßÅÖ• áèiœâßq Hõ ~°OQÆ Jaè=\$kú =°='êÜ«
 K«iÛOKå=Ú. J~Ú Ō Wk Ñ~°ã~Ê~° P^è€~âxH XHõ" .Ñ~U = œ`«"Ō . Wk Ô~
 Jaè=\$kú <õÄ_® W^Ō " Ū`«ÎOÖ• áèiœâßq Hõ ~°OQÆ Jaè=\$kúÑ~. P^è€~
 áèiœâßq Híaè=\$kúÑ~. P^è€~°Ñ~_ç LO@ O^€<Ō q+~Ü« x" WÑ~ÜÊ_» Ñ~

28.4 áêiŒâßq Hõ ~°OQÆOÃÑ. =°='êÜ« ~°OQÆO U q^è—

=°='êÜ« ~°OQÆO áêiŒâßq Hõ ~°OQÆOÃÑ. D ŒH Ok q^è—OQÍ P

1. áêiŒâßq Hõ ~°OQÆO =°='êÜ« ~°OQÍxH q`«Î<âÅ JOkã ÎOk.

= Oz <â}°` « Hõey# q`«Î<âÅ =°='êÜ« ~°OQÍxH J`«°=ã~°" ÿ# L`âÊk`
p_»Ñ•_»Å# `«@ ìH #QÆe Q, 'ê÷xHõ Ñ"iã ÷`« Åõ J# " .# (JO>Ë Éèí q ,
= ~ Hõ ŒáêO`âxH = ~°`« O\~Ú) "Õ Å ~°Hõ" ÿ# q`«Î<âÅ# ~° á†OkOK«
`« O\~Ú. D Ñ"iâ•^è—#Åõ Uq HÍ"âe? D Ñ"iâ•^è—#Åõ J`â°^è—xHõ Ñ"iHõ
#g# ã~^ áêÜ« Å Hõey# ŒÑ"Ü QÆâßÅ HÍ"âe. nxx \ì =°='êÜ« ~°OQÆ
L#"^x` Å ã~ HÀ=K« Ú.

D Ñ"iâ•^è—#Åõ J=ã~°" ÿ# #`«# 'êO HuHõ Ñ"i*Î <âx", #=<âÅ# , q^è
= iÜ«Ú Ñ"iHõ~°}ÏÅ# Jaè=\$kú Ñ"iKÕk áêiŒâßq Hõ~°OQÆ"Õ . D q^è—OQÍ
P^è€~Ñ"çLok.

2. ~°'êÜ« xHõ Z~° =ÚÅ# JOkOK«_»O.

Éèì~°`«^Õâ OÖ• Ô~.`« Å 'êOŒÑ"^€Ü« HõOQÍ " ÚHõ-Å = iÜ«Ú Ñ"â
ÃÑOK«_®xH Z~° =ÚÅ QÍ "â_» `« <â"~° . nxÖ• Hõe;Ñ Ñ"i^€~âúÅ Jg =°='
nxH ŒÑ"â°= "Ü« OQÍ =°='êÜ« ~°OQÆOÖ• JkèHõ L`âÊkHõ`«# WKÕÚ Z
nxH ŒÑ"â°= "Ü« OQÍ ~°'êÜ« xHõ Z~° =ÚÅ õ# Q #|_®~Ú. D ~°'êÜ« x
J=ã~°" ÿ# áÊ+HÍÅ# JOk'êÎ~Ú. D ~°'êÜ« xHõ Z~° =ÚÅ qxÜ QÆO =°='êÜ
=Å# =°='êÜ« L`âÊ^Hõ`« ÃÑiyOk. D Z~° =ÚÅ L`«ÊuÎ KÕ;ã ÉÎ^è—°`« Ô
ÃÑ. q^è—OQÍ =°='êÜ« ~°OQÆOÖ• L`âÊ^Hõ`« ÃÑ~°QÆ_®xH áêiŒâßq

3. h\ áê~° ^-Å 'œHõ~â°Åõ J=ã~°" ÿ# Ñ"iHõ~âÅ# áêiŒâßq Hõ ~°O
`âQÆ h~° JO^HõáÈ`Õ " ÚHõ-Å ÃÑ~°QÆ=Ú. = #^Õâ OÖ• ŒÑ"i^è+
âß`«O 'êQÆ |_çÖ• L#"Éèí q ~°`« Ñ"i=<âÅ =Å# Hõe Q =~â-^è€~°" ÿ# Éèì
=Å# #=<ây#kHÍ^ . " Ú^-\ HÍ~°}O, =~°-áê`« Ñ"i= }O."â#Å ŒÑ"iHõ\$uKÕ x
Hõ\$+ =Å# HÍ^ . H x" ã~O^~â†ùÅÖ• =~°-áê`«O LO_»^ . = iH x" ã~O^~â
=Å# =°='êÜ« L`âÊ^Hõ`« ÅÖ• QÆ}hÜ« " ÿ#`«QÆ æ^Å HõxÊã ÎOk. = ~ H
Hõeæ'êÎ~Ú. Ô~O_»=HÍ~°}O =~°-áê`«O #" ^ÜÕ °HÍÁO. XH ^Hõ'êi Ñ"O@
ã"iÜ ÿ # HÍÁOÖ• =~â-Å ÖEHõáÈ`Õ Ñ"O@Å <ââ #O J=Ú`â~Ú.HÍ\ì = #^
QÆ}hÜ« OQÍ qã"liOK«=Åã # J=ã~°O Lok.

h\ áê~° ^-Ö 'œHõ~â°Å HõÅÊ#õ qiqQÍ ÉÎ=ÚÅ , K ~° =ÚÅ , HÍÅ =Å
Q @ìÑ"ÜÉÎ=ÚÅ , KÕuÑ"OÑ"ÜÅ = iÜ«Ú Ñ"OÑ"ÜÃã@;# U~âÊ@ KÕ

W@ HõÅ ,ã " O\ò,W# =Ú " Ú~ÅQÆ #q J=ã~°O J=Ù`ã~Ú. Wq ZHõ~_»
 áêiŒâßq Hõ~°OQÆOÖ• L`«ÊuÎ KÕÜ« |_»`ã~Ú. J^Õq^è—OQÍ Ñ"ONÑ"ÙÃã@
 J=Ù`ã~Ú. áêiŒâßq Hõ ~°OQÆO q^~°â ÛH Îx <õÄ_® L`«ÊuÎ KÕã" ÎOk.
 =°='êÜ« ~°OQÍxH J=ã~°" ÿ# Ñ"x=Ú@j# `«Ü« ~° KÕ'êÎ~°.

áêiŒâßq Hõ ~°OQÆOÖËx Ñ"iã ÷ux TÇ İOK«O_ç - U q^è—" ÿ# " @
 W@ HõÅ QÍh, q^~°K«ÛH Î QÍh, Ü« OŒ`ãÅ - Ü« OŒ`«Ñ"iHõ~ãÅ QÍh LC
 =~ã~^è€~° ~°OQÆOQÍ = Œ`«"Õ q yeáÈ`« Ok. U W`«~° h\ áê~° ^~Å 'œh

4. Ñ"Ù~° QÆ = O^~ Å# áêiŒâßq Hõ ~°OQÆO `«Ü« ~° KÕã" ÎOk.

ŒEH q H©@HÍÅ=Å# = iÜ«Ú W`«~° p_»Å=Å# =°='êÜ« L`«ÊuÎÖ• 5-10
 " ÚHõ~Å# D ŒEH q H©@HÍÅ# O_ç, p_»Å# O_ç ~°H OK«_®xH Ñ"Ù~° QÆ
 Ç" x HõeÊOK«x Ñ"Ù~° QÆ = O^~ Å J=â °Hõ`« = #^Õâ OÖ• ZO`À L#"k. g\ x
 LOK. Ñ"Ù~° QÆ = O^~ Å# JOkOK«_»O =°='êÜ« ~°OQÍxH áêiŒâßq Hõ
 ¿Ñ~`#=#K« Û. nx=Åj =°='ê~ÚHõ L`ãÊ^~Hõ`« QÆ}hÜ« OQÍ ÑÑiy#k.

5. áêiŒâßq Hõ~°OQÆO J^è— xHõ Ñ"iHõ~ãÅ# `«Ü« ~° KÕã" ÎOk.

ÉèÎ~°«^Õâ OÖ• Ô~.`« Å 'êOŒÑ"~^€Ü« Hõ Ñ"x=Ú@j~Ú#, <ãQÆà §
 "ã\ x =°='êÜ« ~°OQÆOÖ• LÑ"Ü yOz L`«Ê`« ÎÅ KÕã" Î<ã"~°. g\ =Åj =°='êÜ«
 `«<õ ~°QÍ L<ã"~Ú. ŒÑ"ã" Î«O áêiŒâßq Hõ~°OQÆO g\ H ŒÑ"ã"ã°= "Ü« =Ü
 ŒEİHõì~°j =O\ J^è— xHõ Ü« OŒ`ãÅ =°='êÜ« ~°OQÆOÖ• = #=â H Î qxÜ
 " .Ñ"Ù =°='êÜ« L`ãÊ^~Hõ`«Å <õÄ_® = \$kú K O^€~Ú.

6. =°='êÜ« = Ô~\ OQ <õ , y_»œOQÆ Å<õ J=ã~°" ÿ# =#~° Å# U~ãÊ@

Ñ"HÍ~À_»jx~ã,}İxH J=ã~°" ÿ# Ñ"i*İ <ãx", Ü« OŒ`ãÅ# , " \©iÜ« Öò
 = x"HõQÆÅ ~À_» œ Ô~.`« Å `«= L`«Ê`« ÎÅ# ã" ÅÉèiOQÍ = Ô~\ò ŒÉâêO`ã
 Ô~.`« Å `«= =ã" Î=ÜÅ<õ `«QÆ = Ô~\ò ^è~° ÅàèOKÕ=~°<õ ^€K« HÀ=Ü
 =ã" Î=ÜÅx"O\ h áêiŒâßq Hõ~°OQÆO L`«ÊuÎ KÕã" ÎOk. `«QÆ y_»œOy ã"~^
 ÉèiÜ« O`À Ô~.`« Å = Ô~\òÖ• J= Å Ö• L#" ^è~°=^~<Õ J=Ú,HÀ=Åã # J
 ã"~^ áêÜ« Å L#"Ñ"ÙÊ_» D J=ã~°O LO_»^~. HÍ\ ì y_»œOQÆ Å Ô~.`« Å<

7. =°='êÜ« ~°OQÆOÖ• x= QÆ"= ~Ú#"âiH L`ãÊ^~Hõ =ã" Î=ÜÅ áêiŒâßq

ŒÑ"i[Å<õ PÇ" ~°Ñ"~^€~ãúÖËHÍHõ, W`«~° =ã" Î=ÜÖ .# =Œ'êÎÅ , Wà §
 "ã+ OQ " + <£ " Ú~ÅQÆ áêiŒâßq Hõ =ã" Î=ÜÅ <õÄ_® J=ã~°O. g\ #x"OV
 =°='êÜ« ~°OQÆOÖ• Ñ"xKÕ¿ã"âiH <õÄ_® Wq J=ã~°"Õ . giH D =ã" Î=ÜÅ
 J=ã~ãÅ# f~° ã" ÎOk.

8. =°='êÜ« ~°OQÍxH x^è– Å# HõeÊã" ÎOk.

=°='êÜ« ~°OQÆOÖ• Ñ"xKÕ¿ã "âi`À áÈe¿ãl áêiŒâßq Hõ~°OQÆOÖ
LO@ Ok. D áêiŒâßq Hõ~°OQÆOÖ• Ñ"xKÕ¿ã "â~° ¿õÄ_® "âi á†~ Ñ"Ü.
^€K« ¿õ O\i~° . ŒÑ"ã" Î «O Éèi~° «^Õâ OÖ• J` «°kèHõâß` «O Éi°O¿õ Å ŒQ
Wq Œáê^è€#° « ~°OQÆOQÍ =°='êÜ« xH JkèHõ~° }İÅ# = OE~° KÕ'êÎ~Ú.
á†~ Ñ"Ü ~@ # Hõey=ÜO@ Ok HÍ\i x^è– Å J=ã"~°O Z¿õ =QÍ LO@ Ok. áé
á†~ Ñ"ÜÅ# =°='êÜ« ~° }İÅ QÍ ŒQÍg } ŒáêO`âÄÖ• Éi°O¿õ Å Wã" Î<â"~Ú
J=ã"~°" ÿ# x^è– Å# áêiŒâßq Hõ ~°OQÆO JOKã" ÎOk.

QÆ ~° İOK« HÄ=Äã # JOâßÄ .

- =°='êÜ« ~°OQÆO áêiŒâßq Hõ ~°OQÍxH D q^è–OQÍ ã"Ç" Ü« Ñ" _»
- x Wk Ñ"iŒâ = Å¿õ J=ã"~°" ÿ# =Ú_çã"~°¿õ Å JOKã" ÎOk.
- x Wk L`âÊ^–Hõ =ã" Î=ÜÅ¿õ = Ô~\ò HõeÊã" ÎOk.
- x Wk áêiŒâßq Hõ ~°OQÍxH Œâßq ¿õ Å# JOKã" ÎOk.
- x Wk Ñ"iŒâ = Ö• Ñ"xKÕ¿ã"âiH PÇ" ~âx" JOKã" ÎOk.
- x Wk áêiŒâßq Hõ ~°OQÍxH x^è– Å# HõeÊã" ÎOk.
- x Ñ"iŒâ = Å =°='êÜ« ~°OQÍxH D ŒEH Ok q^è–OQÍ ã"Ç" Ü« Ñ" _»
- x Ñ"iŒâ = Å JkèHõ<â}° « QÆÄ q` «Î<âÅ JOK'êÎ~Ú.
- x Ñ"iŒâ = Å ~°'êÜ« xHõ Z~° =ÜÅ JOK'êÎ~Ú.
- x Wq h\ áê~° ^–Öİ 'œHõ~â°Å HõÄÊ#¿õ ã"Ç" Ü« Ñ" _»`â~Ú.
- x Wq ŒEH q ã"OÇ" ~° = O^– Å# JOK'êÎ~Ú.
- x ŒİHõì~°j =O\ J^è– xHõ LÑ"Hõ~°}İÅ# JOK'êÎ~Ú.
- x = Ô~\ OQ = iÜ«Ú y_»œOy 'œHõ~â°Å HõÄÊ#Å Jaè=\$kúH ã"Ç"
- x =°='êÜ« ~°OQÆOÖ• Ñ"xKÕ¿ã Œâßq ¿õ Å# L`âÊ^–Hõ =ã" Î=ÜÅ
- x =°='êÜ« ~°OQÍxH x^è– Å ã"g Hõ~°}¿õ ^ÀÇ"İ^–Ñ" _» } « Ok.

28.1 áê~îâ°Oâ ŒEN"â "Ä

D ŒEH Ok MïmÅ# ŒÉİÔH@jÖ• WzÛ# Ñ" ^€Ä`À Ñ"ÓiOK«O_ç.

(¿ãOOEnÜ« Z~° =Ü, PÇ" ~°O, 70%, 66%, ã"Ç"İ[~°|†~° , ~°'êÜ« xHõ Z

1. > ÿ~°j Ñ"iŒâ = ¿õ =°='êÜ« ~°OQÆO JOKOKÕ =Ú_çÑ" ^€~°ú=Ú
2. = #=*İuH Œáê^è–q Hõ J=ã"~°O.

3. Éèĩ~° «^Õâ OÖ• âß` «O = Ok ÆÑ"[Å =°='êÜ« ~°OQÆOO
4. 'êOÆÑ~^€Ü« OQÍ, Éèĩ~° «^Õâ OÖ• Ô~. ` « Å Z~° =Ù# LÑ~
5. " Ú` «ÎO 'êQÆ |_çÖ• L#" Éèi q Ö• âß` «O Éèi q h\ HÀã"O | ` « M
h"Õq <Õ~° Û<õ <â"=Ù

1. =°='êÜ« ~°OQÆO = iÜ«Ú áêiœâßq Hõ~°OQÆO Ñ~°ã"Ê~° P^è€`ãÅ
XHõ\ Jaè=\$kú HÍ<õ O_® Ô~O_»=k Jaè=\$kú K O^~.
2. =°='êÜ« ~°OQÆO qq^è- Ñ~°iœâ = Å<õ =Ú_çÑ~^€~°úÅ# œâßq <õ Å
Ñ~°xKÕ_ã "âiH PÇ~°~âx" JOkã" ÎOk. áêiœâßq Hõ~°OQÍxH Wk XHõ x
3. áêiœâßq Hõ~°OQÆO =°='êÜ« ~°OQÍxH "Õ Ö .# q` «Î<ãÅ# Z~° =Ù
^€~°~â, h\ áê~° ^~Å 'œHõ~°ã°Å# , = Ô~\ OQ = iÜ«Ú y_»xOy 'œHõ~°ã°
~°OQÆOO•x Ñ~°x"âiH L`ãÊ^~Hõ =ã" Î=ÙÅ# U~ãÊ@ KÕÜ« _»O ^€
=°='êÜ« ~°OQÍxH x^è- Å= ~°æO <õÄ_®.

áê~îã°O` «~° ÆÑ~°â "Å

1. =°='êÜ« ~°OQÆOÃÑ. áêiœâßq Hõ ~°OQÆO Uq^è-OQÍ P^è€~°Ñ~°
2. =°='êÜ« aè=\$kú áêiœâßq Hõ~°OQÆO ^ÀÇ~°Î~O KÕ_ã = ~ãæÅ Uç
3. D œH Ok"âxx <õ jÑ~°ÎOQÍ q=iOK« =Ú.
i) áêiœâßq Hõ ~°OQÍxH =°='êÜ« ~°OQÆO JOkOKÕ =Ú_çÑ~^€~°
ii) h\ áê~° ^~Ö 'œHõ~°ã°Å# áêiœâßq Hõ~°OQÆO Uq^è-OQÍ Hõe

ã"= ^è€#=ÚÅ

áê~îã°Oâ ÆÑ~°â "Å

1. ã"Ç~°Î[~°|t~° 2. PÇ~° ~°O 3. 66% 4. _ãOOEkÜ« Z~° =Ù 5. 70%.

áê~îã°O` «~° ÆÑ~°â "Å

1. i) =°='êÜ« ~°OQÆO # Oz =Ú_çÑ~^€~°úÅ á†O^~ ` « Ok.
ii) =°='êÜ« ~°OQÆOO• P^è€~°Ñ~°_ç# [<ãÉèi L`ãÊ^~Hõ =ã" Î=ÙÅ#
iii) œâßq <õ Å ÅÉèi°` «.
iv) PÇ~° ~°Ñ~^€~°úÅ ÅÉèi°` «.
v) =#~° Å = ~°æ=Ú.
(ÃãHõ <£ 28.3 # K«^~ =Ù=Ú)

- 2.
- i) $\langle \tilde{a} \rangle^{\circ} \ll \tilde{A} \langle \tilde{o} \tilde{A}_{\zeta} \# q \ll \hat{I} \langle \tilde{a} \tilde{A} \text{ JOkã}^{\circ} \hat{I} \text{Ok.}$
 - ii) $\sim^{\circ} \hat{e} \tilde{U} \ll x \tilde{H} \tilde{o} Z \sim^{\circ} = \tilde{U} \tilde{A} \text{ JOkã}^{\circ} \hat{I} \text{Ok.}$
 - iii) $h \backslash \acute{a} \hat{e} \sim^{\circ} \wedge \tilde{A} \langle \tilde{o} \text{ HÍ} = \tilde{A} \tilde{a} \# \tilde{N}^{\circ} i \tilde{H} \tilde{o} \sim \tilde{a} \tilde{A} \text{ HõeÊã}^{\circ} \hat{I} \text{Ok.}$
 - iv) $\tilde{N}^{\circ} \tilde{U} \sim^{\circ} Q \tilde{A} \tilde{E} = O \wedge \tilde{A} \backslash \ll \tilde{U} \ll \sim^{\circ} K \tilde{O} \tilde{a}^{\circ} \hat{I} \text{Ok.}$
 - v) $\# g \# \tilde{N}^{\circ} i \tilde{H} \tilde{o} \sim \tilde{a} \tilde{A} \text{ HõeÊã}^{\circ} \hat{I} \text{Ok.}$
 - vi) $L \tilde{N}^{\circ} \tilde{H} \tilde{o} \sim^{\circ} \} \tilde{I} \tilde{A} \# , = \hat{O} \sim \backslash O Q = i \tilde{U} \ll \acute{U} y_{\sim} \gg \pi O y \tilde{a}^{\circ} \wedge \acute{a} \hat{e} \tilde{U} \ll \tilde{A} \# \text{ HõeÊã}^{\circ}$
 - vii) $= \# \sim^{\circ} \tilde{A} = \sim^{\circ} \tilde{a} = \acute{U}$
- ($\tilde{A} \tilde{a} \tilde{H} \tilde{o} \ll \pounds 28.4 \# K \ll \wedge = O_{\zeta}$)
- 3.
- i) $\tilde{A} \tilde{a} \tilde{H} \tilde{o} \ll \pounds 28.3 \# K \ll \wedge = O_{\zeta}.$
 - ii) $\tilde{A} \tilde{a} \tilde{H} \tilde{o} \ll \pounds 28.4 \# K \ll \wedge = O_{\zeta}.$

29. ~°"å}İ = iÜ«Ú Hõ=,°x H+°# ;

(Transport and Communication)

29.1 LáÈ^€f` «=Ú

h Ñ"iã~° ŒÁêO`åÄÖ• h=Ü Z_»i|O_» i, Ô~.à §, |ã" ûÄ , Ñ" _»=Ä , F_»
LO\İ=Ü. Z_»i|O_» i, |ã" ûÄ , ÖİsÄ " Ú^~ÄQÆ #q ~Ä_»ig ^• Ô~.à § Ô~.Ä
Ö•# • q= <åÄ PHÍâ OÖ•# ŒÑ"Ü« }O KÕ'êÎ~Ú.

~Ä_» ¢ = ~åæÄ , Ô~.Ä = ~åæÄ , [Ä= ~åæÄ = iÜ«Ú "åÜ«Ú = ~åæÄ
"åÇ"İ<åÄ HõÄÊ# " Ú^~ÄQÆ JOâßÄh" ~°"å}İ ŒH O^<õ = 'êÎ~Ú. Z_»i|O_»
'ê^è-<åÄ . D ~°"å}İ 'ê^è-<åÄ ŒÑ"Ü« }©<õ Ä# = iÜ«Ú =ã" Î=ÜÄ# XHõ
~°"å}İ KÕ'êÎ~Ú.

J^Õq^è-OQÍ = #O ã"= Kå~åx" XHõ ŒÁêO` «O # O_ç = ~ Hõ ŒÁêO` åx
g\ x ã"= Kå~° 'ê^è-<åÄ JO\İ~° . áÈã" ì, > eá¶È<£, > eŒEQÍÑ¶ , á¶êH±û,
'ê^è-<åÄ QÍ K Ñ"Ê=K« Û.

D áê~îå°Oâ OÖ• g ~° D Ô~O_» 'ê^è-<åÖ .# ~°"å}İ = iÜ«Ú ã"= Kå~°

29.2 ÅH Í°Ä

D áê~îå°Oâ J^è-°Ü« #O `«~° "å"« g ~° ` Ä ã" H <Õ q+~Ü« Ä

x PiúHõ J='ê÷Ñ" # J~°úO q=iOK« @.

x Éèİ~° «^Õâ OÖ•x qq^è- ~°"å}İ 'ê^è-#=ÚÄ ` eÊ, q=iOK« @.

x qq^è- ã"= Kå~° 'ê^è-<åÄ# q=iOK« @.

x ~°"å}İ 'ê^è-<åÄ ŒÁê=ÚY° «# ` Ä Ê@.

x ã"= Kå~° 'ê^è-<åÄ ŒÁê^è€#° «# q=iOK« @.

29.3 PiúHõ J='ê÷Ñ" # - J~°úO

Hõhã" ã"~ áêÜ« Ö .# â H Î,h~° ,~°"å}İ,ã"= Kå~°O, Éİ°OH OQ , `«k`«~°
= # QÆ_» 'êkèOK«ÖË^ . =°='êÜ« , áêiŒÊâßq Hõ, çã"å~°OQÍÄÖ• JkèHõ ~
Jaè=\$kú ZO`Ä J=ã"~°O. g\ x"O\ h J='ê÷Ñ"<å 'æHõ~å°Ä JO\İ~° . D 'æHõ~å°
ÄHõ }İx" Hõey LO\İ~Ú. JO>Ë g\ x Jx" =ã" Î Ü«x@; L`ÊuÎH© qxÜ yOK«
qxÜ QÆ^€~° xH ^€x L`ÊuÎ^€~° xH • L`ÊuÎ^€~° xH = ~ Hõ L`ÊuÎ^€~°

~° áêÄÖ• L#” â H Î, Jx” ~°HÍÄ =ã” ÎL`«ÊuÎH ^ÀÇ”Î~Ñ”_» `« Ok. ~°"å}Ï L`«
L`«ÊuÎ^€~° x # Oz qxÜ QÆ^€~° xH =ã” Î ÄÉèí° «# JOkã” ÎOk.

XHõ ã”Oã”÷ 'ê÷Ñ”#<õ J=ã”~°" ÿ# Ü« OOE`åÄ# ~°"å}Ï JOkã” ÎOk. Wk
OEáêO`«O # Oz = ~ Hõ OEáêO`åxH KÕ~°"Õ'êÎ~Ú. J^Õ q^è—OQÍ JOu= =ã”
OEáêO`åÄ<õ ~°"å}Ï KÕ'êÎ~Ú.

L^€Ç”Î~°>õ \© = iÜ«Ú LÑ”C = # x`«° rq`«OÖ• qxÜ y'êÎ=Ú. = #O "å_Ö
J= ,HõO^€~° _» `«Ü« ~° KÕÜ« _» . D \©á†_ç J'êûO = iÜ«Ú `«q à <å_»
á¶ê°HõisÄ<õ ~°"å}Ï KÕã , qq^è— ^â ÄÖ• \© á†_ç `«Ü« ~° KÕã = Ô~\ò
= #O x=ã OKÕ OEÑ”^ÕâßÄÖ• `«Ü« ~° HÍ^ . Wk "Õ ~ KÀ@ L`«ÊuÎ J=Ü
KÕ~°"ÕÜ« ÖEHõ áÈ~Ú#@_j~Ú`Õ J= ,HõO^€~° Ä D LÑ”C# J= ,ÖË~° .

~°"å}Ï ã”^ áêÜ« ÖË HÍHõ, =°='êÜ« ~°OQÆO = iÜ«Ú áêiOEâßq Hõ ~°
h~° , Hõ=,°x H+”# j, ÉÏ°OH OQ 'œHõ~å°Ä , " Ú^Ö .#q <õÄ_® "âi k#”âs K«
L^€Ç”Î~°>QÍ fã” <õ O^EO. D Ñ”iOEâ = OEÑ”`«°Hõ L`åÊkHÍÖ .# =Ú_çW# =Ú
J='ê÷Ñ”<å ã”^ áêÜ« Ö .# ~Ä_» j = iÜ«Ú Ô~.ÖË“Ä# =Ú_çã”~° <õ Ä# , JO
P~°x~°j# á†O^_®xH , ã”= Kå~åx” JOkOK«_®xH Hõ=,°x H+”#j# • Ü« O
~° }ÏÄHÄã”O ÉÏ°OH OQ çã=Ä# <õÄ_® HÀ~° `å~Ú.

HÍ\ì J='ê÷Ñ”<å 'œHõ~å°Ä ÖEHõ Un U q^è—" ÿ# PiúHõ HÍ~°HõÖÏÑ
'œHõ~å°Ä# OEH Ok q^è—OQÍ =sæHõiOÑ”=K« Ú.

J. ~°"å}Ï : ~Ä_» x, Ô~.Ä , [Ä = iÜ«Ú "åÜ«Ú ~°"å}Ï.

P. Hõ=,°x H+”# j áÈã” ì = iÜ«Ú > eOEQÍÑ¶ , > bá¶È<£, > eHõ=,°x H+”

W. â H Î : ÉÁQÆ æ, q^°K«ÛùH Î,# < Ä = iÜ«Ú Ñ”Ó°Ü«
=#~° Ä .

D. h~° : _®°£ Ä , HÍÄ =Ä , Q @ìÑ”ÙÉÏ=ÜÄ " Ú^Ä QÆ #”q

L. | }ã”^ áêÜ« Ä "å} [° ÉÏ°O<õ Ä , OE^=°ã”Oã”÷Ä .

ÉèÏ~° «^Õâ OÖ• ÄÉèí°= =Ú`« #” J='ê÷Ñ”<å 'œHõ~å°Ä q=~åÄ# Ñ”
J='ê÷Ñ”<å 'œHõ~å°Ä ÄÉèí° «Ö• ÄÑ~° QÆ ^Ä OEH Ok Ñ”\ ìHõ #O^ QÆ

Ñ" \ iHõ 29.1

Éèi~° « ^Õâ OÖ• ÁÉèí°= ÜÖ ° J='ê÷Ñ" <â 'œHõ~â°Á

	Ü« ,x@ i	1950-51	1994-95
	â H Î =#~° Á		
1. ÉÁQÆ æ	ÖHõ Á @# "Á	322	538
2. q^ °K«ÛùH Î L`«ÊuÎ	KWH)100 HÀ@i (351	
3. ÃÑŒ\•eÜ« "£ -Œ'õÄ_£P~ÚÖòL`«ÊuÎ	ÁHõ Á @# "Á		
	~°"âj		
1. ã"~° <õ ~°"âj} Î ^€"~â Ô~.ÖË"Á P^€Ü« O ÁHõ Á @#	730		
2. <ÒHÍŒâ Ü« ÁÖ• ~°"âj} KÕã # ã"~° <õ	ÁHõ Á @#1973	190	
	> e Hõ=,°x H+"<£û		
3. H`«ÎQÍ JOkOâ#È# i	"ÕÁÖ•	NA	1770

P^è€~°O : PiúHõ ã" ~°, 1996-97.

ÃÑ. ^`âÎOâßÁ# \ i 'ê" «OŒ`â°##O`«~° HÍÁOÖ• Éèi~° « ^Õâ OÖ• J
 ÃÑiQÍÜ« x K Ñ"Ê=K« Ü. 1950-51 = iÜ«Ú 1994-95 = ^è~° HÍÁOÖ• ÉÁQÆ
 ÃÑ~°QÆQÍ, q^ °K«ÛùH Î L`âÊ^Hõ 'ê= ~°ú°O ^€^€Ñ"Ü 70 Ô~@ i ÃÑiyO
 ã"~° <õ ~°"âj} 'ê= ~°ú°O ^€^€Ñ"Ü 10 Ô~@ i =\$kú 'êkèOz#@ i ` Á 'ÈÎOk. I
 áêiŒâßq Hõ = iÜ«Ú =°='êÜ« ~°OQÍÁÖ• JkèHõ =\$kúx 'êkèOK_@xH ^À
 jŒÑ"¶" Jaè=\$kú <õÄ_@ D J='ê÷Ñ" <â 'œHõ~â°Á ÃÑ.<Ö P^è€~°Ñ"ç LC
 <õ O@ Ñ" _» `« O^<Ök JO^iH© ` eã #^Ö. J^Ö q^è~OQÍ ~°"âj} ã" ^ áêÜ
 JÁÊÁÉèí° « PiúHõ =\$kúH P@OHÍÁ QÍ Ñ"xKÕ'êÎ~Ú.

QÆ ~° ÎOK« HÀ=Áã # JOâßÁ

- x ~°"âj}, Hõ=,°x H+"# i, â H Î ,h~° " Ú^Ö .# 'œHõ~â°Á J='ê÷Ñ" <â
- x D 'œHõ~â°Á ÖËHõáÈ` Ö U PiúHõ HÍ~°HõÖÏÑ"O 'ê^è~°OHÍ^ .
- x <âÁ QÆ ŒÑ" ^è€# ~°"âj} 'ê^è~°<âÁ HõÁ=Ü. Jq - ~Ä_» ¶, Ô~.Á ,[
- x áêiŒâßq Hõ = iÜ«Ú =°='êÜ« ~°OQÍÁ Éèíq+~°ü Jaè=\$kú J='ê÷Ñ" 'ê^è~°O HÍ^ .

áê~îâ°Oâ ŒÑ"â "Á : 29.1

D ŒH Ok "â\ Ö• `«Ñ"C / XÑ"CÁ# QÆ îOK«O_ç.

- 1) Ô~.ÖË"Á , ~Ä_» i, Éí°OH OQ " Ú^Ö .#q J='ê÷Ñ" <â 'œHõ~â°Á

- 29.4 ~°"å}ĩ 'ê^è<ãÅ (transport)

Éèĩ~° «^Õâ OÖ• =ÚÝ°OQÍ <ǎÅ QÆ ~°HÍÖ .# ~°"ǎ}ĩ 'œHõ~ǎ°Å HõÅ=Ù.

- ÃÑ. <åÅ yO\ Ö• " Ú^_ =,_ » , J#QÍ ~À_ » x, Ô~.Å , [Å, ~°"å}ï = ~åæÅ#
 "åÜ«Ú~°"å}ïx PHÍâ ~°"å}ï = ~°æ= x Ñ Å 'êî~°. D Éèí LÑ"ï «Å = ~åæÅ
 J=ã~°" y# ã" ^ áêÜ« ÅÃÑ. P^è€~°Ñ" _ç LO\ï~Ú. ~À_ » x ~°"å}ï xq `«ÎO ~Å
 ~À_ » ;x~å,}O `«Ñ"Êxã"ï. ~À_ » ; qã"Î~°, J# ã"O^è€#O = OË `«"Õ D ~°"å}ï qã"Î
 Jaè=\$kúH , q\ ÃÑ. ~°"å}ï KÕ; ã"åÇ"Î<åÅ ã"OY°Ö• ÃÑ~° QÆ ^Å ‹õÄ ®

48

29.2 áê~îâ°Oâ œÑ"â "Å

D œH Ok "à\ Ö• `«Ñ"C / XÑ"CA# QÆ îOK«O_ç.

- i) JOu= =ã" Î=ÙÅ = Ô~\ò qã"Î~°}œ ~°"â}İ =°=ã"÷ ^ÀÇ"İ~Ñ" _» `«
- ii) ~°"â}İ ã"~ áêÜ« ÅÖ• qã"Î~°} ^€#O` « J^Õ áêiœâßq Híàè=\$kúH C
- iii) Éèİ~° «^Õâ OÖ• S~ ~°HÍÖ .# ~°"â}İ 'œHõ~â°Å HõÅ=Ù.
- iv) œÑ"Ü« }©œ Å# = iÜ«Ú ã"~° œ Å# XHõKÀ@ # O_ç = ~ HõKÀ\ H J=ã"~°O.
- v) ~Å_» x ~°"â}İ =°=ã"÷Ö• "âÇ"İ<âÅ P=â °Hõ" ÿ# qÉèİQÆO HÍ~

29.5 ~Å_» x~°"â}İ (Road transport)

J. ~Å_» x

Éèİ~° «^Õâ OÖ• ~Å_»i# <âÅ QÆ ~°HÍÅ QÍ =sæHõiOÑ"=K« Û.

1. *İfÜ« ~°Ç"İ^€~° Å

*İfÜ« 'ê÷~ÜÖ• œáê^è€#° « Hõey# ~âR ~â[^è€# Å# , =ÚY° œáêO` g\ Ö• H x" ~Å_» i Éèİ~° «^Õâßx" œÑ"Hõ~ ^ÕâßÖ .# |OQÍi^Õâò,<ÕáêÖò = ^Õâ OÖ• 24 *İfÜ« ~°Ç"İ^€~° Å HõÅ=Ù. Wq " Ú`ÎO ã" = ~° 34,000 H Ig II Éİ^è-° «# HOœ~ œÑ"Éèí` «"O fã" œ Ok.

2. ~âR ~°Ç"İ^€~° Å

~âR'ê÷~ÜÖ• œáê^è€#° « QÆÅ D ~Å_» i œÑ"^è€#"â} [° HOœ^€# KÕ'êÎ~Ú. g\ x~°"Ç"İ} Éİ^è-° « ~âR œÑ"Éèí` â"Ök . Wq " Ú`ÎO ã" = ~° 1 L<â"~Ú.

3. İÖİi ~°Ç"İ^€~° Å

Wq İÖİi 'ê÷~ÜÖ• œÑ"^è€#~Å_» i. Wq İÖİi 'ê÷~ÜÖ• =ÚM° ~Å_»i# ~â KÕ'êÎ~Ú. g\ x~°"Ç"İ}İ Éİ^è-° « İÖİi áêÅ<âkèHÍ~° Åk.

4. œQÍg } ~°Ç"İ^€~° Å

D œQÍg } ~°Ç"İ^€~° Å qq^è- œQÍ= ÅÖ•x ~°Ç"İ^€~° Å# İÖİi ~°Ç"İ^€~° g\ x~°"Ç"İ}İ Éİ^è-° « İÖİi Ñ"i+~ü = iÜ«Ú Ñ"OKâ~Úf ã"q uÅ x~°"Ç"İ'êÎ~Ú.

1950-51 Ö• H=ÅO 39 âß` «O ~Å_» i = œ` «"Õ Ñ"HÍ~Å_» i. Wk 46.7 ~°Ç"İ^€~° Å`À ã"Ç"İ). J~Ú` Õ Zœ` =âß` «O Ñ"HÍ~Å_» i Ñ"@i} œáêO` âÅÖ• âß` «O ~Å_» i HõKâÛ~Å_» i.

ÃÑ~° QÆ ` « #” "åÇ"İ# qxÜ QÆO`À J# QÆ }OQÍ ~À_»i qã•Î~°O <õ
L#"k. nx =Å<Õ H x” ~À_»i x~å,}O = iÜ«Ú x~°“Ç"İ} Éİ^è~° «# ŒÃÑ."Õ@
` «<õ ~° = iÜ«Ú = ^è~° ^ ~° ŒáêO`åÅ<õ ~À_» x ~°"å}İ L` «Î= " ÿ#k. nx
Jq: ÅÉèí° « ã” Å =Ù = iÜ«Ú HÍ~°HõÖİáêÅ = ~° Ê#<õ J=HÍâ O, =°H ÎQÆ` «
ŒÑ"u QÆ\$Ç” xH ÅÉèí° « = iÜ«Ú #q ,Hõ LO@ Ok. J^Õ q^è~°OQÍ Ô~.ÖË
ŒQÍg } ŒáêO`åÅ =O\ ŒáêO`åÅ<õ Wq ŒÑ"~^è€# Ü« OŒEuHõ "åÇ"İ# ã”
P. "åÇ"İ<åÅ

= #^Õâ OÖ• 1951 - 1990 = ^è~° HÍÅOÖ•, " Ú` «ÎO ~°"å}İ 'ê^è~°<åÅÖ•
Œáê^è€#° «# 'êèOz#k. " \İ~° "åÇ"İ<åÅ ã”OY° 1950-51 Ö• 3 ÅHõ Å # O
ÅHõ Å<õ KÕiOk. (Ñ" \İHõ 29.2# K« _» =Ú)

=~°Î= #HÍÅOÖ• JkèHõ"ÕQÆO`À, 'ê= ~°ú°O`À = iÜ«Ú HÍÅ +~°~°Ç İ` «

Ñ" \İHõ 29.2

il+~"ü KÕÜ« |_ç# " \İ~° "åÇ"İ<åÅ

"ÕÅ ã”OY°ÅÖ•

	= iÜ 1951	= iÜ 1990
1. ã”~° <õ ~°"å}İ "åÇ"İ<åÅ		82 1,289
2. ã” ûÅ	34	312
3. HÍ~° , rÑ"Ü, \İH©û		159 2,733
4. k“K«ŒHõ "åÇ"İ<åÅ		272,525
5. W` «~° "åÇ"İ<åÅ (\İHõì~° i,Œ> ÿÅ~° i,W` «~° ŒEuK«ŒHõ"åÇ"İ<åÅ = iÜ«Ú W` «~° "åÇ"İ<åÅ)		4 2,314
" Ú` «ÎO	306	19173

P^è€~°O : 8 = ŒÑ" }İoHõ, 5 s. 2.

W. Éèİ~° « PiúHõ =°=ã”÷Ö• ~À_» i Œáê^è€#° «

Éèİ~° « PiúHõ =°=ã”÷Ö• ~À_» i D ŒH Ok HÍ~°}=ÚÅ =Åi JkèHõ Œáê

1. 'œHõ (Cognitive science)

ã”“ÅÊ = iÜ«Ú = ^è~° ^ ~åÅ<õ ~À_» x ~°"å}İ 'œHõ~°=O` «OQÍ LO_ç,
ŒÑ"u QÆ\$Ç” xH ÅÉèí° « = iÜ«Ú KÕ~°"Õ` « ~À_» x ~°"å}İ ^€“~å = Œ` «
LO\İ~Ú. = ~° ÊÅ LO_»=Ù.

2. |Ç"iLÑ"Ü QÆ (Mujapose Service)

~À_»i# qq^è- ~°"â}i 'ê^è-<âÅ qxÜ yOK« <õ O\i~Ú. L^€iI Œ@<õ ~À_»i# qq^è- ~°"â}i 'ê^è-<âÅ qxÜ

3. = ~° =,Å ŒéâeO`âÅ<õ ~°"â}i 'œHõ~°O W^ Hõ->Ë

H O_»ŒéâeO`âÅ =O\ ŒéâeO`âÅ<õ Ô~.Å ~°"â}i 'ê^è-°O Hí^ .ÖË^ L#" X H XHõ- ŒÑ"~â°= "Ü« = ~°æO ~À_» i ~°"â}i g ^ P^è€~°Ñ" _» @O.

4. ŒQÍ= Å Jaè=\$kú

Ô~.ÖË"Å<õ Ñ"Ó~°HõOQÍ ~À_»i Jaè=\$kú J`â°=â °Hõ=Ú. Ô~.ÖË"Å Éèi Híh Éèi~° « ^Õâ O XHõ ŒQÍ= Å ^Õâ O. ~À_» i = Œ`«"Õ qq^è- ŒQÍg } O J# ã"O^è€#O KÕã" Î<â"~Ú.

5. `«<õ ~°=°Ü« O

Ô~.ÖË"Å`À áÈeçãî ~À_»i g ^ " zÛOKÕ =,Å^è-#O = # ^Õâ OÖ• KâO JÜÕ ° ~À_»i x~â,}O = #^Õâ O =O\ Jaè=\$kú K O^~ `« # ^ÕâßÅ<õ J=ã"~°

29.3 áê~îâ°Oâ ŒÑ"~â "Å

D ŒH Ok "à\ Ö• `«Ñ"C / XÑ"CA# QÆ îiOK«O_ç.

i) JkèHõ^ ~°O ŒÑ"Ü« }iÅ<õ ~À_» x = ~°æO P^~° =O`«" ý#k.

ii) Éèi~° « ^Õâ OÖ• X H XHõ- *îfÜ« ~°Ç"i^€i L#"k.

iii) Ö•Ñ"eH L#" =ÚY°OQÍ H O_» ŒéâeO`âÅ<õ ~À_» x ~°"â}i ŒÑ"~â

iv) *îfÜ« ~°Ç"i^€~° Å x~â"Ç"i} Éi^è-° « HOŒ^ ŒÑ"Éèi`â"xk.

29.6. Ô~.Å ~°"â}i

Ô~.Å ~°"â}i Ô~O_» ŒÑ"~â€# qÉèiQÍÅ# Hõeæ LO@ Ok. Jq (Z) Ô~.Å ŒÑ"Ü« }O KÕÜ« ÅO>Ë D Ô~O_» `«Ñ"Éxã"i. XHõ^€x H ~° « Ô~O_»

X H "Õ <Õ*ò" O@ ŒH O^ L#" ŒÑ"Ñ"OK«OÖ• ÔHÖi; Ju ãÑ^~ì =Ñ"~ì`« ÅÖ• LOk. Q*òÅ ŒÑ"~â€#OQÍ =, _» ~°HíÅ .

1. ŒÉi_£ Q*ò (- " Ú`ÎO ~° @ Ö• 56% "â\i# Hõeæ LOk.

2. g @~üM(Q*)ò (- " Ú`ÎO ~° @ Ö• 38 % "â\i# Hõeæ LOk.

3. <â~À(Q*)ò (- " Ú`ÎO ~° @ Ö• 6 % "â\i# Hõeæ LOk.

ŒÉi_£ Q*ò Ô~.ÖË" Œi<õ Ö•Ñ"~ìiÅ = ^è-° ^ ~°O 160 ããO.g . LO@ O <â~À Q*òÖ• 76 ããO.g . Ñ"~ìiÅ = ^è-° ^ ~°O LO@ Ok.

= iŮ 1990 <å\ H , Ô~.Öò < \ò=~ü- / ã" = ~° 63,000 H Ilg . ^ ~°O qã"Îi
ã"O= `«û~°OÖ• Ô~.Å ŒÑ"Ü« } ‹õ Å = iŮ«Ú ~°"å}İ KÕã # ã"~° ‹õ q=~åÅ# ,
Q*òÅÖ•H© ŒÉĬ_£ Q*òÖ• "ÕQÆO Z‹õ =. HÍ\ \ ì g @~ü Q*ò, <å~À Q*òÅ#

Ô~.Öò < \ò=~ü-# = iO` « ã" = ~°÷ =O` «O KÕÜ«Ú@ ‹õ QÆ` « H x" ã"O= `QÆ` «OÖ• = #‹õ Pqi Ü« OŒ`åÅ LO_Õq. "å\ x _ôİÖò WO[# ;QÍ, ŒÑ"ã" Î «C
D HõÔ~O@ WO[# ; HÍÁ +~° ~°Ç Ĭ`«" ÿ#q = iŮ«Ú "ÕQÆ=O`«" ÿ#q. ~å[^è€
ã" = ~°ú qxÜ QÆO`À ŒÑ"Ü« } OKÕ Ô~.à §# ÉèĬ~°fÜ« Ô~.ÖË" #_» Ñ"ÜH

Ñ"\ ìHõ - 29.3

ŒÑ"Ü« } ‹õ Å = iŮ«Ú =ã" Î=ÜÅ ~°"å}İ - Q*òÅ P^è€~°OQÍ (âß`«O)		
Q*ò	~°"å}İKÕã#Å	ŒÑ"Ü« } ‹õ Å
ŒÉĬ_£ Q*ò	90.5	83
g @~ü Q*ò	9.4	16.4
<å~À Q*ò	0.1	0.6
" Ů`«ĬO	100.0	100.0

Ô~.ÖË"Å " Ů`«ĬO 8590 Ö•H " \ "£Å# , 38000 É•wÅ# = iŮ«Ú 3.5 ÅHõ
¿ãî+~#;Ö• Hõey L<å"~Ü.

(Z) Ô~.Å ~°"å}İ P=â °Hõ`«

= #O WÑ"ÜÊ_» Ô~.ÖË"Å = #^Õâ PiúHÍaè=\$kúH U q^è-OQÍ `À_»
JOâßÅ q=iOKå=Ü.

1. ÉèĬ~°`« =°='êÜ« aè=\$kúH `À_®Ê@

Ô~.ÖË"Å = #^Õâ =°='êÜ« aè=\$kúH ^ÀÇ"Ĭ~Ñ" _» `« <å"~Ü. Ô~.ÖË"
Ô~.`« Å `«= ã"~° ‹õ Å# H=ÅO 'ê÷xHõ = Ô~\òÖ• = Œ`«"Õ J"Õ , "å~° . Ô
KÕâß~Ü. WÑ"C_» "å~° ã"~° ‹õ Å# U = Ô~\ò ÔH.<å ~°"å}İ KÕÜ« =K« Ů

2. "å} [° qã"Î~°}

Ô~.ÖË"Å "å°áê~° "å} [° qã"Î~°}Ö•, =ÚY°OQÍ #â "° =ã" Î=ÜÅ = Ô~\ò
KÕÑ"Å , áêÅ ,ŒQÆ _» Ĭ,Ñ"O_» Ĭ = iŮ«Ú ‹õÄ~°QÍÜ« Å =O\ #â "° =ã" Î=ÜÅ
Ô~.ÖË"Å "å\ ÑÑ. =ã" Å KÕ¿ã `«‹õ =ã" OHÍÖË.

3. Ñ"iŒâ = Å 'ê÷Ñ" #

XHõ ŒáêO`«O # O_ç = ~ Hõ ŒáêO`åxH Ü« OŒ`åÅ# , =Ü_çã"~° ‹õ Å
ã"Ç" Ü« Ñ" _» `« <å"~Ü.

(a) $\hat{O} \sim \hat{A} - \sim \hat{A}_\sim \rangle (\text{Coordination}) \# \text{O}$

29.4 2D and 3D

i) Ô~.ÖË“Å Jaè=\$kú=Å# Œêßq Hõ QÆ= #jÅ`« =\$kú K OkOk.

iii) $\text{œÉĬ}_\text{£} \text{Q}^*\text{ò HõO>Ë g @~ü Q}^*\text{ò JkèHõ ã"}\text{~}^\circ\text{õ ~}^\circ\text{"}\text{ã}\text{Ĭ} \text{KÕ'ÈĬOk.}$

m) Ô~.Öò ~°"ă}İ̃õ "ă°QÆ# ; = iÜ«Ú WO[# ; Jq =ÚY° JO` «~ă†ùQÍĂ

[Å ~°"ǎ"]Ī Éèĭ~°` «^Õâ OÖ• ŒÉâp# ~°"ǎ"]Ī =°=ã"÷. |ã" û'œHõ~å°Å , Ô~
ZO`À ŒÉâê^è€#°` «# Hõey LO_Õk. h\ Ö• ŒÑ"Ü« }O KÕ¿ã Jx" "ǎÇ"Ī<ǎÅ
[Å~°"ǎ"]Ī = ~åæÅÖ•<Õ ŒÑ"Ü« } 'êĭ~Ú. Éèĭ~°` «^Õâ OÖ• [Å~°"ǎ"]Ī Ô~O_» -

(a) $+ \tilde{N} \hat{E} O Q = i \ddot{U} \ll \acute{U} \acute{a} \grave{E} \sim^{\circ} \grave{A} \grave{A}$

$\tilde{a}^{\prime\prime\prime}\mathring{A}\hat{E} = i\ddot{U}\langle\acute{U}\tilde{a}^{\prime\prime}\wedge\sim^{\circ}\mathring{O}\acute{e}\acute{a}\hat{e}\mathring{O}^{\circ}\grave{a}\mathring{A}\grave{\text{õ}}\ W<\pounds\ddot{O}\ddot{I}\mathring{O}_{\pounds}[\mathring{A}\sim^{\circ}\grave{a}\}\ddot{I} = \sim^{\circ}\text{æ}\mathring{O}\ J\mathring{u}\ K\grave{C}$
 $\tilde{a}\wedge\acute{u}\mathring{O}\mathring{Q}\acute{I}\ D\ [\mathring{A} = \sim\grave{a}\text{æ}\mathring{A}\ \tilde{a}^{\prime\prime\prime}\ddot{U}\langle\mathring{O}\tilde{a}\wedge\acute{u}\mathring{O}\mathring{Q}\acute{I}\ \mathring{A}\text{è}\mathring{O}\mathring{K}\grave{a}\sim\acute{U}.$

Éèĭ~° «^Õâ OÖ•J<ÕHõ #QÆ~åÅÖ•H x" Ñ"iOEâ = Å Jaè=\$kúH , L^€Ç
WO_çQÀ Ñ"iOEâ = Å Jaè=\$kúH W<£ÖÏO_£ [Å~°"å}ĭ = ~åæÖË HÍ~°}O.

Wk Ju Ñ"Ù~â`«# ~°"â}İ= ~°æO. J~Ú`Õ Ô~.ÖË"Å, ~À_»j = ~âæÅ Ja
'ê"«Oœ`â°#O`«~°=Ú W<£ÖïO_£ [Å~°"â}İ= ~âæÅ Jaè=\$kúH œÑ"Éèi`«"

œÑ"ã" Î «O ^Õâ OÖ•x H x" œáêO`âÄÖ• D W<£Öï°O_£ [Å~°"â}ï œáê=I
œ|Ç"ï,Ñ"Ùœ` « #k Ñ"sÇ"ïHõ œáêO`«OÖ•x `« ~° Ê^—H } œáêO`«=Ú• QÄ
QÄ^€=i Ñ"s"âÇ"ïHõ œáêO`«=Ú, H~°à = iÜ«Ú QÄ"âÄÖ• Éï°H±"â@~ü " U

(a) + Ñ ÊOQ = iÜ«Ú áÊ~° ìÅ

+ Ñ ÊOQ ^€"~â = #O ã" Å =ÚQÍ =ã" Î=ÚÅ ZQÆ = u - kQÆ = `« Å K
q^ÕâßÄÖ• = Oz ã"O|O^è€Å ÑÑOK« HÀ=K« Û. =ÚY°OQÍ qi QáÊÜÕ J^€
~°"â}ï KÕÜ« _®xH Wk J`«°O`« ~°Hõ }ï`«Hõ" ÿ# = ~°æO. g\ ~°"â}ï# QÆ`
= ~°æO J=ã"~°O. J^Õ q^è—OQÍ |~° " .#, ÑÑ^—ìqQÍ L#" =ã" Î=ÜÖ .# K Hõ, É
= ~°æO ^€"~â ~°"â}ï KÕÜ« _»O œâšÜ ã"~°O.

Éèï~° «^Õâ OÖ• [Å"âÇ"ï<âÅ ^€^€Ñ"Ù 29% ã"=Úœ^— =ã" Î ~°"â}ï#
'ê" «Oœ`â°#O`« ~° HÍÄOÖ•<Õ Éèï~° « <ÒHÍ= ~°æO "ÕQÆ`«~°}OÖ• ‹õÄ_
O_ç 1994 Ö• 438 H KÕiOk.

[Å~°"â}ï J='ê÷Ñ"<â 'œHõ~â°ÄÖ• <ÒHÍœâ Ü« Å ‹õÄ_® H©ÅHõ" ÿ#q.
ã"OY° ‹õÄ_® ÑÑ~°QÍe. œÑ"ã" Î «O = # ^Õâ OÖ• 10 ÑÑ^—ì Ç" ~°†~° | L<â"
F_»Å# Ñ"~°°ÕH 'êÎ~Ú. g\ Ö• H x" <ÒHÍœâ Ü« Å .

1. =ÚOÉï~Ú
2. HõÅHõ`âÎ
3. H zÛ<£
4. HÍO_»i
5. K
6. = ~°,QÄ"â
7. áê~ânÑ
8. = OQÆ à ¥~°
9. qâßYÑ"@"O

D áÊ~° ìÅ JO`«~â fÜ« = ~âæÅ ~°"â}ï# KÕã" Î, H x" =ÚY° =ã" Î=ÜÖ
Ü« ~°<£, ã" QÆO^è—œ^—"â°Å , k# ã" Å , P~ÚÖò HH±, "Õ~° â^#QÆ, K Hõ

"â} [° J=ã"~âÅ xq`«ÎO <ÒHÍœâ Ü« Å ‹õ J=ã"~°" ÿ# Ö•_çOQ = iÜ«
HõeÊOKâe. JO`ÕQÍHõ Jq`«QÆ œÑ"= }ïÄÖ• LO_®e. L^€Ç"ï~°}‹õ "â`â
<ÒHÍœâ Ü« ÄÖ• ã"~° ‹õ Å# kOÑ"ÖË=Ú. J^Õ q^è—OQÍ = #O ã"~° ‹õ # kO
ÖË#@i~Ú`Õ Jq = \$^è€ J=Ü`â~Ú.

Éèï~° «^Õâ OÖ• ÑÑ^—ì <ÒHÍœâ Ü« Å 'ê= ~°ú°O 1984-85 = ã"O= `«û.
1991-92 <â\ H 168 q eÜ« <£ @# "Å ‹õ KÕiOk.

=ã" Î=Ü Ü ÚHõ` 'ê= ~âú°x" œH Ok Ñ"\\ ìHõ 29.4 Ö• K« áê=Ú.

Ñ" \ ìHõ 29.4 - ÑÑ^~ì<ÒHÍŒâ Ü« Å =ã" Î=ÙÅ 'ê= ~°ú°O
(ÅHõ Å @# "ÄÖ•)

=ã" Î=Ü	1984-85	1989-90	1991-92
ÑÑŒ\•Öò,P~ÚÖò = iÜ«Ú Å ŒaÔHO@ ;			552 720
=Ú_ç W# =Ú		415	415 425
ÉÁQÆ æ		60	65 65
HõO> ÿ#~° ;		34	58 65
'ê^è€~°} HÍ~Àæ		220	280 287
" Ú` «ÎO	1281	1538	1612

P^è€~°O : 8= ŒÑ"}lõHõ, "åÅ °O 2, ¿Ñl 242.

'ê" «OŒ`å°#O` «~° HÍÅOÖ• Éèl~° «^Õâ OÖ• <ÒHÍ~°OQÆO ZO`À J
J~Ú#Ñ"Ê@H©, ÅaèOKÕ ã"~ áêÜ« Å WO` « ÑÑ^~ì Éèl~° «^Õâ OÖ• áÊe
(ã) Éèl~° «^Õâ OÖ• [Å ~°"å]l Œáê=ÚY° «

1. Ju KÒÔH.# = ~°æ=Ú

Wk Jx" ~°"å]l = ~åæÅÖ•<Õ Ju KÒÔH.# ~°"å]l = ~°æO . HÍ~°}O Wk Œ
Åaèã" ÎOk.

2. JkèHõ 'ê= ~°ú°O

J<ÕHõ Ô~.Å É•wÅ J<ÕHõ Œ@`õ `Å Hõ<å" XHõ` F_» 'ê= ~°ú°O KåÖ

3. q^Õj "å°áê~°O

q^ÕâßÅÖ• "å°áê~° ã"OÉO^è€x" |Ö•¿Ñ` «O KÕÜ« ÅO>Ë [Å= ~°æO Ju =
ã"~° `õ # XHõ ^Õâ O # Oz "Õ~ Hõ ^ÕâßÅ`õ F_»Å = Œ`«"Õ KÕ~°"ÕÜ«

4. Ñ"~å°=~°} ^ + "Êe`åÅ LO_»=Ú

D ~°"å]l = ~°æO HÍÅ + "° ~°ç ì «O HÍ\ ì U q^è-" ÿ# Ñ"~å°=~°} ^ + "Ê

29.5 áê~îå°Oâ ŒÑ"â "Å

1. D ŒH Ok MïmÅ# `«QÆ Ñ"~^€ÅÖ• Ñ"ÓiOK« =Ú.

i) [Å~°"å]lÅ =ÚY° ~°HÍÅ QÍ =sæHõiON"=K« Û.

ii) W<£Öl°O_£ [Å= ~åæÅ ^Õâ O Ñ"xKÕ'êl~Ú.

iii) Jx" ~°"å]l = ~åæÅÖ•H©, [Å ~°"å]l = ~°æ=Ú

2. D ŒH Ok "å\ Ö•`«Ñ"C / XÑ"CÅ# QÆ îOK«O_ç.

- i) Éèĭ~°`«^Õâ OÖ• áÈ~° ì 'œHõ~å°Å KåÖĭ`««õ`=QÍ L<å"~Ú.
- ii) [Å = ~åæÅÃÑ• ŒÑ"Ü« } OKÕ Jx" "åÇ"Ĭ<åÅ [Å~°"å}ĬÖ• KÕ~°`å~
- iii) Éèĭ~°`«^Õâ O # Oz W` «~°^ÕâßÅ<õ , W` «~°^ÕâßÅ# O_ç Éèĭ~°`« ^€~å ~°"å}Ĭ J=Ù`å~Ú.

29.8"åÜ«Ú ~°"å}Ĭ

q= <åÅ ã"Ç" Ü« O`À Jx" ~°HÍÖ .# ~°"å}Ĭ ħã=Å# "åÜ«Ú~°"å}ĬQÍ K Ñ"Ê "ÕQÆ=O`«" ŷ# = iÜ«Ú Y~° Ũ`À <õÄ_» <õ # ~°"å}Ĭ = ~°æO. J`«°O`« "Õ ŒÑ"Ü [#O. Wk ^Õâ OÖ•x Ü« [= #°, 'êO HuHõ = iÜ«Ú Ñ"íáêÅ<å ã"O|Okè LO@ Ok. Ô~.ÖË"Å Ô~O_» ~ÅÅÁê@ ŒÑ"Ü« } OKÕ ^ ~åx", q= <åÅ H KåÖĭ JkèHõ=Ú.

ã qÖò UqÜÖ +`<£ HÍ~°HõÖĭáêÅ# =,_» =ÚY°~°HÍÅ QÍ =sæHõioÑ" J='ê÷Ñ"<å qÉèĬQÆO = iÜ«Ú xÜ« OŒ`«} = iÜ«Ú Jaè=\$kú qÉèĬQÆO. HÍ~° Ö .<£û = iÜ«Ú ŒÃÑ."Õlò Z~Ú~ü Ö .<£ (7) L^€Ç"Ĭ~°}«õ * \ò Z~Ú~ü"Õã , Ü ^ÕjÜ« q= #Ü« # ħã=Å# JOkã" Î<å"~Ú. Z~Ú~üWO_çÜ« JO`«~å fÜ« q= Z~Ú~üWO_çÜ« K« @ iŒÑ"Hõ-Å ^ÕâßÅ<õ <õÄ_® ħã=Å# JOkã" ÎOk. Ñ ÆÇĭeHÍÑ"Ĭ~ü ħã=Å# JOkã" Î<å"~° .

^Õâ OÖ• q= # J='ê÷Ñ"<å 'œHõ~å°Å# Z~Ú~üäÆvüjOkæ-ÖkPÑ" V xÜ« OŒ`«}, = iÜ«Ú Jaè=\$kú HÍ~°HõÖĭáêÅ# ã qÖò UqÜÖ +`<£ = OŒu UqÜÖ +`<£ "å~° Ñ"~°"ÕH 'êĬ~° .

QÆ`« Ô~O_» ^-âßÉĬĬÅ QÍ ^ÕjÜ« = iÜ«Ú JO`«~å fÜ« q= # ħã=Å q ã"OY° Ô~O_» ÑÑiQÍ~Ú. L^€Ç"Ĭ~°}«õ QÆ`« 25 ã"O=`«û~åÅÖ•, ^ÕjÜ« 'êO=`«ûiHõ =\$kú ~@ # 'êkèOK«QÆÅO. Z~Ú~ü WO_çÜ« ŒÑ"Ü« } ħã= 'êkèOKå~Ú.

ŒÑ"ã" Î`«O ^Õâ OÖ• 85 q= #Œê Ü« Å QÆÅ=Ù. g\ Ö• JO`«~å fÜ« q=

1. âßO`åŒHõ*ò (=ÚOÉĬ~Ú)
2. _»"£ _»"£ (HõÅHõ`åĬ)
3. WOk~åQÍOnè JO`«~å fÜ« q= <åŒê Ü« O (_èçbĭ)
4. HÍ= ~å*ò JO`«~å fÜ« q= <åŒê Ü« O (K < .")
5. u~° =#O`«Ñ"Ü~°O (H~°à)

^Õâ OÖ• @ i[O Jaè=\$kúH "ãÜ«Ú ~°"ã}İ ZO`«QÍ<À `À_»Ê_» `ÀOk. q
q= <ãŒâ Ü« Å# 'ê÷Ñ OK«_»O =Åj q^Õj Ñ"~ã°@#õ J<ÕHõ 'œHõ~ã°Å
"ãÜ«Ú~°"ã}İ Œáê=ÚY°`«

1. "ã°áê~° qã"Î~°}

#â " ~°, qÅ " .# = iÜ«Ú JÅOHõ~°} =ã" Î=ÙÅ# q^ÕâßÅ # Oz `«"i«QÆ
ZQÆ = u KÕÜ« _®xH J=HÍâßÅ Zõ =.

2. =°='êÜ« ~°OQÆ Jaè=\$kúH ã"Ç" Ü« HÍQÍ LO@ Ok

H x" ã"O^~ã†ùÅÖ•, q= #~°OQÆO =°='êÜ« ~°OQÍxH = O^ Å K«Å
ŒEH q H©@HÍÅ# <ãâ #O KÕÜ« _»OÖ•# ã"Ç" Ü« Ñ" _» `« Ok.

3. ~°Hõ } ~°OQÍxH ã"Ç" Ü« HÍ

^Õâ ~°Hõ } ~°OQÍxH õÄ_® q= #~°OQÆO ZO`À Œáê=ÚY°`«# Hõ
~°H OK« HÀ=_®xH ã"Ç" Ü« Ñ" _»`ã~Ú.

4. ŒÑ" Hõ\$u qÑ"« ÎÅ # O_ç ~°Hõ }

=~°^Å , Éèí HõOáêÅ , `« á¶ê#j ŒÑ"Éèİq« ŒáêO`ãÅÖ• PÇ" ~° Ñ"
¿ã=Å ZO`À LÑ"Ü QÆÑ" _»`ã~Ú.

5. Ñ"~ã°@Hõ ~°OQÆ Jaè=\$kú

Ñ"~ã°@Hõ ~°OQÆ Jaè=\$kúÖ• õÄ_® H©ÅHõ Éèí q Hõ q= #~°OQ
Ñ"~ã°@Hõ ŒáêO`ãÅõ ã"g Ñ"OQÍ 'ê÷Ñ ONÑ"É_®~Ú. Ñ"~ã°@õ Åõ q= :

29.6 áê~îã°Oâ ŒÑ"â "Å

D ŒEH Ok "à\ Ö• `«Ñ"C / XÑ"CÅ# QÆ îİOK«O_ç.

i) ã qÖò UqÜÕ +"<£õ J=ã"~°" ÿ# J='ê÷Ñ"<ã 'œHõ~ã°Å# WO_çÜ

ii) ^ÕjÜ« ~° @jÖ• Z~Ú~ü WO_çÜ« ¿ã=ÅOkã" ÎOk.

iii) ŒÑ"ã" Î«O Éèİ~°«^Õâ OÖ• 85 q= <ãŒâ Ü« Å HõÅ=Ù.

iv) Ñ"~ã°@Hõ ~°OQÆ Jaè=\$kúÖ• q= #~°OQÆO q[Ü« =O`«" ÿ#k.

v) "ãÜ«Ú~°"ã}İ ^€"~ã#â " ~° =ã" Î=ÙÅ# "ÕQÆOQÍXHõ ŒÑ" ^Õâ O#

29.9 Hõ=, °x H" #
(Communications)

h=Ù ZÑ"ÜÊ_ .<ã ~_çÜ Å qx, "ã~âÎ Ñ"ŒuHõÅ K«kq Jq ZHõ_À [i Q q
KÕ~°"Õã" Î<ã"Ü« <Õ q+Ü« x" QÆ iOz Pâ Ū~°Ñ" _®"ã! " .~üÖ .ã ^€"~ã C

Hõ }|Ö•j = #O KÕ~°Û=K« Û. HÍ| \ ì "ã~âîÑ"œuHõÅÖ•ZHõ_ Hõ_ç "ã~°îÅ K
ZO`« ^ ~°O # O_ç ‹õÄ_® = #O WHõ_çH ã"= Kã~âx" " O@<Ö` Ñ ÊOK«

XHõ OEÑ"ˆÖâ O # O_ç = ~ Hõ OEÑ"ˆÖâßxH ã"= Kã~âx" ÖË^€ ã"O^Öâ
= ~ãæÅ ^€"~ã Ñ"ON"=K« Û. L^€. ‹õ áÈã" ì, > bœQÍÑ¶ , > eá¶È<£, á¶ê°H±
" Ú^~ÅQÆ #¶q. D ã"= Kã~° = ~ãæÅ ã"Ç" Ü« O`À XHõ "ã°áê~°ã" ÷_» `«#
ã"= Kã~âx" á†O^=K« Û. J^Ö q^è—OQÍ XHõ =°='êÜ« ^€~° _» ~ã# #¶ ã•
" Ú «îOÖ• KÕÜ« e, "ã\ ^è—°Å ZÖï á†O^=K« Û J<Ö ã"= Kã~âx" á†O^=
ã"= Kã~° = ~ãæÅ

‹õ=,°x H+°# j OEÑ"ˆè€#OQÍ Ô~O_» ~°HíÅ : (Z) áÈã" ì = iÜ«Ú (a) > e
(Z) áÈã"òst)

'ê" «Oœ`ã°#O`«~° HíÅOÖ• ^Öâ OÖ• áÈã"ìÖò ¿ã=Å ÉİQÍ qã"îiOKã~
23 "ÖÅ áÈ'èîÑ¶•ã" Å = œ`«"Ö LO_»QÍ, OEÑ"ã" Î`âxH Wq ^€^€Ñ"Ü 150 "
œáêO`ãÅÖ•# , 133 "ÖÅ œQÍg } œáêO`ãÅÖ•# L<ã"~Ú.

XH`Hõ` áÈ'èîÑ¶•ã" ã"QÆ@ # 6000 = Ok OEÑ"[Å ã"QÆ@ # 21.4 H Ö•
"ÖQÆ=O`«" ÿ# =°=ã"÷Ö• `«áêÖï =°=ã"÷ ‹õÄ_® `«# Jaè=\$kú QÆ= <âx" =
(PIN) # = #^Öâ OÖ• 1972 = ã"O= `«û~°OÖ• = iO`« `O^~°QÍ |î" _® KÕÜ«

ã•Ê_£áÈã" ì 'œHõ~ã°x" PQÆ+°µì, 1, 1988 = ã"O= `«û~°OÖ• OEÑ""Öâ
L^Ç"îiOz# HíÖïxHõÖïj KÕ~°ã~Ú. XHõ"Öà KÕ~°Hõ áÈ`Ö áÈ¿ãîr Y~° Ü
^Öâ OÖ•x 67 OEÑ"ˆè€# #QÆ~ãÅÖ• HõÅ^.

`«áêÖï =°=ã"÷Ö• <ãÅ QÆ ~°HíÖ .# áÈ'èîÑ¶•ã" Å HõÅ=Ü. Jq ÃÇî_£
_çáê~üì" O@Öò ã"Éò áÈ'èîÑ¶•ã" = iÜ«Ú J^~#Ñ"Ü _çáê~üì" O@Öò œE
áèiœâßq H©Hõ~°}, [<ãÉèî ÑÑ~° QÆ ^~Å Hí~°}îÅ =Å# L`«î~° OEÑ"« ° «î~
Jx" œáêO`ãÅÖ• qã"îiOz L#" `«áêÖï =°=ã"÷, > eá¶È# j QÍh, W`«~° Hõ=,
= ~° =,Å œáêO`ãÅ‹õ ‹õÄ_® ã"= Kã~âx" KÕ~°"ÖÜ« QÆÅ QÆ `« <ã"~Ú.

(a) > eHõ=,°x(Herz Communications)

`«áêÖï =°=ã"÷ J=ã"~°" ÿ# ã"= Kã~âx" KÕ~°"ÖÜ«Ú@‹õ ZO`À ã"Ç" Ü
ã"= Kã~âx" = iO`« "ÖQÆOQÍ, = iO`« < .Ñ"Ü}°OÖ• KÕ~°"Öã" îOk. L^€Ç"î~
œH ÔH\ò = °Kü, = °Kü Ñ¶"e`âx" h=Ü É OQÆ à ¥~° Ö• L#" h q œ`« x =^~
=Åj h‹õ JO`«QÍ Pâ Û~ã°#O^€Å HõÅQÆ=Ü. J^Ö h=Ü OEÑ"«°Hõ OQÍ (Ö
= °Kü[~° QÆ `« #¶O`« ¿ãÑ"Ó P#Ok'êî~°. J^Ö q^è—OQÍ, h=Ü g <ã#"QÍi # O_ç
`«áêÖï ^€"~ã Ô~O_» ÖË^€ =, _» ~ÀÅÅ Ñ" _» `« Ok. J^Ö > bá¶È<£Ö• "

6. XHõ ŒÉâO`«O # O_ç = ~ Hõ ŒÉâO`âxH ã"= Kâ~âx" Ñ"ONÑ"_"»"Õ ã"
 7. `«Ou, `«áÊÂ Ô~O_» Ju =ÚYº" ÿ# ã"= Kâ~º 'ê^è<âÂ .
 8. > bHõ=,ºx H+`# ; ÖËx ŒÉâO`âÂ<õ <õÄ_® `«áÊÖÏ ã"Ç" Ü« O`À ã"= K
- áê~îâºO`«~º ŒËÑ"â "Â
1. Éèĭ~º`« ~º"â}ĭ =º=ã"÷Ö•x qq^è– JO`«~â†ùQÍÂ Uq \ ?
 2. Éèĭ~º`«^Õâ OÖ• Zx" ~ºHÍÂ ~ºÇ"ĭ^€~º Â HõÂ=Ù?
 3. Ô~.Â - ~Â_» ¢ ã"Ç"ĭHÍ~º P=â ºHõ`« Uq \• q=iOK«O_ç?
 4. [Â ~º"â}ĭ# x~º"zONÑ"Ù=Ú. nxx Zx" ~ºHÍÂ QÍ =sæHõiONÑ"=K« Û.
 5. Éèĭ~º`«^Õâ OÖ•x 10 =ÚYº" ÿ# <ÒHÍŒâ Ü« Â ħÑ~º ; Œ"âÜ« O_ç.
 6. 'Éèĭ~º`« PiúHõ =º=ã"÷<õ "âÜ«Ú ~º"â}ĭ =ÚYº" ÿ#k,, qÑ"ÙbHõiONÑ"Ù=
 7. Hõ=,ºx H+`<£Ö• áÊã"ĭÖò < \ò=~ü– ZO^ <õ H©ÂHõ" ÿ#k?
 8. J='ê÷Ñ" # J<Õ Ñ" ^€x" h=Ù U q^è–OQÍ J~ºúO KÕã" <õ <â"=Ù.

ã"= ^è€<âÂ

áê~îâºOâ ŒËÑ"â "Â 29.1

- | | | | |
|---------|----------|----------|---------|
| 1. XÑ"C | 2. `«Ñ"C | 3. `«Ñ"C | 4. XÑ"C |
|---------|----------|----------|---------|

áê~îâºOâ ŒËÑ"â "Â 29.2

- | | | | | |
|---------|---------|----------|---------|----------|
| 1. XÑ"C | 2. XÑ"C | 3. `«Ñ"C | 4. XÑ"C | 5. `«Ñ"C |
|---------|---------|----------|---------|----------|

áê~îâºOâ ŒËÑ"â "Â 29.3

- | | | | |
|---------|----------|---------|---------|
| 1. XÑ"C | 2. `«Ñ"C | 3. XÑ"C | 4. XÑ"C |
|---------|----------|---------|---------|

áê~îâºOâ ŒËÑ"â "Â 29.4

- | | | | |
|---------|----------|----------|---------|
| 1. XÑ"C | 2. `«Ñ"C | 3. `«Ñ"C | 4. XÑ"C |
|---------|----------|----------|---------|

áê~îâºOâ ŒËÑ"â "Â 29.5

1. i) Ô~O_» ii) Ö•Ñ"Â iii) KÒÔH.#
2. i) `«Ñ"C ii) XÑ"C iii) XÑ"C

áê~îâºOâ ŒËÑ"â "Â 29.6

1. i) XÑ"C ii) `«Ñ"C iii) XÑ"C iv) XÑ"C v) XÑ"C

áê~îâ°Oâ œÑ"â "Å 29.7

i) XÑ"ÇXÑ"G_{ii}) `«Ñ"G_{iv}) `«Ñ"G_v) `«Ñ"G_i) XÑ"G_{ii}) XÑ"G_{iii}) `«Ñ"C

áê~îâ°O` «~° œÑ"â "Å

1. 29.4 # K«^ = Û = Ú.
2. 29.5 (Z) # K«^ = Û = Ú.
3. 29.6 (a) # K«^ = Û = Ú.
4. 29.7 # K«^ = Û = Ú.
5. 29.7 (a) # K«^ = Û = Ú.
6. 29.8 # K«^ = Û = Ú.
7. 29.9 # K«^ = Û = Ú.
8. 29.3 # K«^ = Û = Ú.

30. â H Î ~°OQÆO

(Energy)

30.1 LáÊ^€f` «O

Ñ" ^€~â÷Å# "Õ_ç KÕÜ«Ú@<õ , Ö .\ OQ <õ , = # + "µÅ# , Ü« OOE`âÅ#
"ÕÜ«Ú@<õ â H Î J=ã"~°O. U q^è—" ÿ# "Õ_çKÕ_çã J=Híâ O ÖË<õ O_® XH
=O_» <õ <Õ Jx" Ñ" ^€~â÷Å<õ "Õ_ç J=ã"~°O. J^Õ q^è—OQÍ pHõ\ x áê~°OE^Å
â H Î J=ã"~°O J=Ü` « Ok. â H Î qq^è— = ~âæÅ ^€~â Åaèã" ÎOk, qq^è— J=ã
q^è °K«ÜùH Î " Å QÆ # Wã" ÎOk. J^Õ q^è—OQÍ "Õ_ç KÕÜ« _®xH ã"Ç" Ü

á¶ê°HõisÅ , Wà _i, PÑ¶•ã" Å , Ç" ã Ê@à _i, á±ÖïÅ , ã" -à § W=h" â H Î
"â_» <õ Oï~Ú. á¶ê°HõisÅ , q^è °K«ÜùH Îx Ü« OOE`âÅ# Ñ"x KÕ~ÚOK«_®xH
TÇ ÎOK«ÖË=Ú. z=iH ã" ~°~°t, á±O^Õ =°H Î K«e# O_ç`«## ~°H OK« HÀ=
á±O^è`â_» .

â H Î qxÜ QÆO ã"ON¶" xH H`«Î Hí^ . Ñ"Ü~â`«# HÍÅO # O_ç ã"=
= #=Üx J=ã"~âÅ# OEÑ"«°Hõ OQÍ f~°Û_»"Õ HÍHõ Ñ"~ÀHõ OQÍ =ã" Î çã=
áê~°OÖ• g ~° â H Î =#~° Å P=â °Hõ`«# = iÜ«Ú qq^è— â H Î = ~° ÊÅ# `Å

30.2 ÅH Í°Å

D áê~°O K«kq#`«~â"« g ~° D OEH Ok JOâßÅ `Å ã" <õ Oï~° .

x qq^è— ~°OQÍÅ<õ â H Î =#~° P=â °Hõ`«# q=iOK« @.

x Éèl~°`«^Õâ OÖ•x qq^è— â H Î = ~âæÅ# OEHõ= OÖ• OE"âÜ« _»O.

x â H Î =#~° Å# Ñ"Ü#~â=\$`«= ÜÕ ° = iÜ«Ú Ñ"Ü#~â=\$`«O Híx = ~âæÅ

x Éèl~°`«^Õâ OÖ•x qq^è— â H Î = ~âæÅ ÅÉèí°= ÜÕ ° 'ê÷~Úx` Å û<õ C

x Éèl~°`«^Õâ Pi÷Híae=\$kúÖ• â H Î P=â °Hõ`«.

x â H Î ~°OQÆ=Ú Ü ÚHõ¯ =ÚY° ã"= ã"°Å .

x â H Î ã"= ã"°Å# JkèQÆ q OK«_®xH fã" <õ #"/ fã" HÀ"âeû# K«~°°Å .

30.3qq^è— ~°OQÍÅ<õ â H Î P=â °Hõ`«

â H Î =#~° Jx" ~°OQÍÅ =°='êÜ« , Ñ"iOEâ = , ~°"â}ï, QÆ\$Ç"ï = iÜ« Ú çã"
H©ÅHõ J='ê÷Ñ"<â 'æHõ~â°ÅÖ• XHõ\ .

1. QÆ\$ÇÿĦ~°OQÆOÖ•^.#OkHõ HÍ~°HõÖĬáêÅ x~°ÇÿĦ}õ â H Ĩx OËÑˆ«

QÆ\$ÇÿĦ~°OQÆOÖ•^.#OkHõ HÍ~°HõÖĬáêÅ x~°ÇÿĦ}õ â H Ĩx OËÑˆ«
â H Ĩx L_çH OK«_®xH "â_»`â~°. OEQÍg } OÉáêO`âÄÖ•=°=’êÜ« = \$^è€Å ,
KÕ’êĬ~°. Ñˆ@ì} OÉáêO`âÄÖ• QÍ°ãˆ, q^°K«ÛùH Ĩ, H ~Àã <£ P~ÚÖò =O\
x~°ÇÿĦ’êĬ~°. H=ÅO L_çH OKÕ J=ãˆ~âÅ xq`«Ĭ"Õ HÍHõ â H Ĩx, HÍOux á±O

2. =°=’êÜ«O(Agriculture)

ÑˆÓ~°“HÍÁOÖ•=°=’êÜ« HÍ~°HõÖĬáêÅ =#= OÉâ = ãˆÇˆ Ü« O`À<Ö
Ñˆâ =ÙÅ# LÑˆÜ yOKÕ"â~°. HÍÁOEHõ"Õ }Ĭ Ñˆâ =ÙÅ ’ê÷#OÖ• OËĬHõì~°j
â H Ĩãˆ= <õÄ~° ÛH x ÑˆxKÕ’êĬ~Ú. | `« Ñˆ=<âÅ JxtÛu =Å# h\ ’œHõ~°x”
ãˆ= <õÄ~°Û=Åã =zÛOk. D Ü« OÖEuHõ LÑˆHõ~°}Ĭ qxÜ QÆO L`âÊ^Hõ`
=KÕÛ`«Åãˆi L`«ÊuĬ, ÃÑOzOk. â H ĨãˆÇˆ Ü« O ÖË<õ O_® D ’ê^è—<âÅ# =

3. ÑˆiOÉâ=Å(Industry)

=ãˆ Ĭ=ÙÅ L`«ÊuĬH ÑˆiOÉâ = Å qq^è— Ü« OÖ`âÅ# qxÜ y’êĬ~Ú. D Ü«
HÍÖĬx” q QÆ Å ’êĬ~Ú. ÑˆiOÉâ = Å`À Ü« OÖ`âÅ ÑˆxKÕÜ«Ú@<õ â H Ĩ^ÀÇˆĬ
qq^è— ~° áêÄÖ• â H ĨqxÜ QÆO [~° QÆ`« Ok. h=Ù W# Ñˆ=ãˆ Ĭ=ÙÅ `«Ü
=ãˆ Ĭ=Ù# `«Ü« ~° KÕÜ« _®xH =ÚO^ QÍ W# =Ú# "Ö_ç KÕ’êĬ_» . `«~â“
WÖĬ Q ÉÁQÆ æ# , Yx[# < Å# q^°K«ÛùH Ĩx "â_ç zg "Å ãˆÇˆ Ü« O`À "Ö
É .O_çOQ , ~ÀeOQ =O\ HÍ~°HõÖĬáêÅÖ• <õÄ_® "Ö_ç J=ãˆ~°O ZO`À LOK
â H ĨZO`À J=ãˆ~°O.

4. ~°"â}Ĭ= iÜ«Ú <õ=,P~°H~°#(Transport and Communication)

â H Ĩx qiqQÍ "â_Ö = ~ Hõ ~°OQÆO ~°"â}Ĭ ~°OQÆO. ~À_» x ~°"â}Ĭ ~°C
~°"â}Ĭ OÉáê~°OÉéíOÖ• Pqi Ü« OÖ`âÅ# qxÜ yOz#ÑˆÊ\ H©, P^è— xHõ HÍÁ
â H Ĩ= ~°æOQÍ "â_» `« <â”~Ú. ãˆ= Kâ~° = ~âæÖ .# ~_çÜ , > eq[<£ " Ú^
=#~° ÃÑ.<Ö P^è€~°Ñˆ_»`â~Ú.

30.4â H Ĩ= ~âæÅ

â H Ĩx ’ê^è€~°}OQÍ ÑˆxKÕÜ« QÆe Q ’ê= ~°ú°OQÍ x~°“zOK«=K« Û.
QÆ`«OÖ• ãˆONŋˆ OÖ• Ñˆâ â H Ĩx â H Ĩ=#~° QÍ qiqQÍ "â_Ö"â~°. WÑˆÊ\ H
J~Ú`Ö = #=Ü_» ZÑˆÜÊ_» H`«Ĭâ H Ĩ= ~°æO HÀãˆO OËÑˆÜ« `«”O KÕãˆ Ĭ<
JO^iH©` eã O^Ö. P^è— xHõ ãˆONŋˆ Å qq^è— ~° áêÖ .# â H Ĩx LÑˆÜ yãˆ

x ÉÁQÆ æ
 x Yx[# < Å = iÜ«Ú ã"Ç"İ["åÜ«Ú=Ù
 x q^°K«ÛùH Î - J} , ^ä~°,Öò = iÜ«Ú ÃÇ·İOE_À ZÅOEH ìH±
 x = O_ÖK Hõ¯, =°='êÜ« = \$^è€Å , Ñ_»HõÅ = iÜ«Ú |Ü QÍ°ã
 x 'œ~°â H Î, "åÜ«Úâ H Î, > ÿ_»Öòâ H Î

30.5â H Î=#~° Å =sæHõ~°}

â H Î=#~° Å# qq^è- ~°HÍÅ QÍ =sæHõiON~°=K« Û. "å\ Ö• XHõ =ÚY°
 = iÜ«Ú Ñ"Ù#~å=\$` «O HÍx =#~° Å .

1. Ñ"Ù#~å=\$` «= ÜÖ ° = iÜ«Ú Ñ"Ù#~å=\$` «O HÍx =#~° Å
 Z) Ñ"Ù#~å=\$` «= ÜÖ ° =#~° Å

D q^è-" ÿ# =sæHõ~°} â H Î=#~° Ç"İiOK« ‹õ áÈ~ÚO^€ ÖË^€! J<Ö JO
 =#~° ÅÖ• ÃÇ·İOE_À-ZÅOEH ìH± â H Î, Ñ_»HõÅ , =°='êÜ« = \$^ä€Å , 'œ~°â H

a) Ñ"Ù#~å=\$` «O HÍx =#~° Å

ÉÁQÆ æ, Yx[# < Å " Ú^ÅQÆ #q uiy á†O^—ÖËx ÖË^€ Ñ"Ù#~å=\$`
 H ~° «QÍ LOİ~Ú. D Ñ"Ù#~å=\$` «O HÍx =#~° Å = #^Õâ O n~°fHíeHõ â H Î
 ^Õâ OÖ• g\ ÅÉèí° « ‹õÄ_® `«‹õ¯=.

D Ñ"Ù#~å=\$` «O HÍx H ~° « =Å# (ÉÁQÆ æ, Yx[# < Å , ã"Ç"İ["åÜ«Ú=
 JÜÖ ° ã"Ç"İ[=#~° Å# qiqQÍ "å_»=Åã # P=â °Hõ` « U~°Ê_çOk. ÉÁQÆ æ, Yx[
 á†O^—ÖËx ã"Ç"İ[=#~° Å = ~ Hõ ã"= ã"° Wq qã"Î\$` «OQÍ ÅÉèí°O HÍHõáÈ=_
 HÍx ~°Hõ }İ` «,Hõ" ÿ#k HÍ^ . h=Ù D ã"Ç"İ["åÜ«Ú=ÙÅ ~À_» ¢ = ~°æOÖ• \
 LOİ=Ù. D \İ°OHõ~° | ã"Ç"İ["åÜ« Ú=Ù# L` «ÊuÍ OEÑ"~Õâ O # O_ç qxÜ QÆ

ã) Ñ"Ù#~å=\$` «O JÜÖ ° =#~° Å‹õ J# ‹õÄÅ "å^#Å

Ñ"Ù#~å=\$` «O JÜÖ ° =#~° Å‹õ =,_» J# ‹õÄÅ "å^#Å HõÅ=Ù. " Ú^@
 á†O^—ÖËx =#~° Å# `«~°eOK«_»O Hõ+~"İ Ö HÍHõ, Y~° Û`À ‹õÄ_» ‹õ #~°k. 'ê-
 'œ~°, "åÜ«Ú, |Ü QÍ°ã â H Î "åOKè«hÜ« =Ú. Ô~O_»=k, Wq Ç"İiOK« ‹õ áÈ
 HÍÅ èê°x" = OE` «"Ö HõÅ QÆ*Ëã" İOk.

Éèí~° « OEÑ"Éèí `«"O Ç"İiOK« ‹õ áÈx / Ñ"Ù#~å=\$` «O JÜÖ ° =#~° Å P=â
 OEáÈ` «ûÇ İã" Î#~°k. k WO_çÜ« <£ Ô~# °=Öò Z#sDA) #ÅÑ"İÜO1987Öhû eq >
 OEÑ"Éèí `«"O ~°OQÆOOÖ•, g\ Jaè=\$kú = iÜ« Ú OE^=° J=ã"~åÅ# HõeÊOI
 Z#s > HÍ"ÅÑSE) U~åÊ@ KÖâß~° .

'êOœÑ"ˆ€Ü« = iÜ«Ú 'êOœÑ"ˆ€ÜÕ `«~° =#~° Å

â H Î =#~° Å ÃÑ. =sæHõ~°} `«~â"« g\ x 'êOœÑ"ˆ€Ü« = iÜ«Ú 'êO
=sæHõiOÑ"=K« Ũ. ÉÁQÆ æ, qˆ°K«ŨH Î, # < , "âÜ«Ú=ÜÅ , Ñ _»HõÅ , H
"â~° . HÍ|>Èi g\ x 'êOœÑ"ˆ€Ü« WO^è-#=#~° Å . 'œ~°â H Î, Qíe = iÜ«Ú >
WO^è-#=#~° ÅO\ĩ~° . HÍ~°}O g\ x D = ^è-°HÍÅOÖ• qxÜ yOK«_»O " Ú^~°

QÆ ~° ÍOK« HÀ=Åã # JOâßÅ

- x Pi÷Hõ =°=ã"÷Ö•x Jx" ~°OQÍÅ'õÄ â H Î J=ã"~°O.
- x Ñ"xKÕÜ« QÆe Q 'ê= ~â÷°x" â H Î =#~° QÍ x~°"zOK«=K« Ũ.
- x â H Î = ~âæÅ# Ô~O_» ~°HÍÅ QÍ=sæHõiOK«=K« Ũ. uiy á†O^~Q
=#~° Å .
- x ÉÁQÆ æ, # < Å = iÜ«Ú "âÜ«Ú=ÜÅ " Ú^~°QÆ #q uiy á†O^~Ö
- x 'œ~°â H Î, Qíe = iÜ«Ú > ÿ_»Öò â H Î =#~° Å uiy á†O^~QÆe Q =

30.1 áê~îâ°Oâ œÑ"â "Å

D œH Ok "â\ Ö• `«Ñ"C / XÑ"CÅ# QÆ îOK«O_ç.

- i) â H Î =#~° Å# H=ÅO QÆ\$Ç"İ J=ã"~âÅ HÀã"O = œ`«"Õ LÑ"Ü y'êİ
J=ã"~âÅHÀã"O "â_»~° .
- ii) ÉÁQÆ æ, # < Å = iÜ«Ú "âÜ«Ú=ÜÅ uiy á†O^~QÆe Q â H Î =#~° Å
- iii) 'œ~°â H Î, Qíe = iÜ«Ú > ÿ_»Öò â H Î " Ú^~°Ö .#q uiy á†O^~ÖËx â H Î
- iv) =#^Õâ OÖ•'œ~°â H Î`«QÆ " Ú`«ÍOÖ•JO^ Éİ@ Ö•ÖËHõáÈ=_»O =
Ñ"~° 'ÈİOk.

30.6Éèİ~° «^Õâ OÖ• ÅÉèí°= ÜÕ ° qq^è- â H Î =#~° Å

Z. ÉÁQÆ æ

QÆ\$Ç"İ J=ã"~âÖ .#L_çH OK«_»O = iÜ«Ú PÇ" ~°O =O_»@O =O\ HÍ~
HÍ~°HõO ÉÁQÆ æ. Wk L`«İ= " ÿ# = O_Õ â H Î =#~° . Wk Ñ"Ü#~â=\$`«O I
H©ÅHõ áêœ`« =Ç İOz#, =Ç İOKÕ 'ê= ~°÷°O QÆÅ =#~° Wk. 1970 = ^~â
Ñ"iœâ = œÃÑ."Õ@ Pnè#OÖ• Lok. `«~â"(c\qxQÍHÀÖöÜWO ÉÁQÆe q>Q
x~â"Ç"İ'õ Å ^~â Ũ~°Å # O_ç ~°H OKÕO^ 'õ D = iÊ_ç KÕâß~° . J~Ü`Õ
H ~°`«# JkèQÆq OKÕO^ 'õ 1990 = ^~â HõOÖ• œÃÑ."Õ@ ÑÑ@ ì|_» Å
œÁÈ`«ûÇ İOKâ~° .

WÑ"Ê\ H© ÉÁQÆ æ# qiqQÍ qxÜ yOKÕ ~°OQÆO â H Î ~°OQÆO. W
 Ô~.ÖË"Å , ÃÑ¶iïÖ .[~üû = iÜ«Ú QÆ\$Ç"Î ~°OQÆO. cÇ" ~ü, Ñ"tÛ= É OQÍÖ
 ~âOEëiïÖEHÍHõ, J'êûO, Xi'êû, = Ç" ~âRÅ 'õÄ_® ÉÁQÆ æ J=ã"~âÅ# f~°
 ÉÁQÆ æ =#~° Å

1992 = ã"O= `«û~° P~°OEèïxH = #^Õâ OÖ• ÉÁQÆ æ xÅ"Å 196 aeÜ
 aeÜ« <£ @# "ÅÖ•, H=ÅO 144 aeÜ« <£ @# "Å# = OE`«"Õ " eH fÜ« QÆ
 ã"= ã"°Å . =~°Î= # 'êO HuHõ Ñ"i*Î #O ã"Ç" Ü« O`À 70 aeÜ« <£ @# "Å# =
 ÖÏÉèi^è€Ü« HõO, JO>Ë `«'õ _= =°Ü« O`À " eH fÜ« QÆÅO.

ÉÁQÆ æ Ñ"iOEâ = ã"= ã"°Å

1. L`«ÊuÎ ã"iáÈ^

1950-51 = ã"O= `«û~°OÖ• =, _» HÀ@; 23 ÅHõ Å @# "Å QÍ L#" " Ú`«Î
 <à\ H 27 HÀ@; XHõ ÅHõ @# "Å'õ KOiOk. J~Ú`Õ ÉÁQÆ æ _ç= O_£ = iO
 kQÆ = `« Å KOã" HÀ=Åã =zÛOk. Zxq ^= OEÑ" }ïoHÍO`âxH ÉÁQÆ æ _ç
 HÀ@; XHõ ÅHõ @# "Å =^ì ã ÷~° Ñ" _®~Ú. HÍ\`ì L`«ÊuÎ J=ã"~âÅ'õ J#

2. `«'õ _= <â}°«

Éèi~°«^Õâ ÉÁQÆ æ <â}°« `«'õ _=. D ÉÁQÆ æÖ• | _ç^ âß`«O (Calorific Value)qÅ = (â H Î ÉèiQÆO), | _ç^ âß`«O 25 # O_ç 40 âß`«O =~°'õ ,
 Z'õ _= âß`«O LO@ Ok. nx =Å; ^è~°,'Õò Hõ~â,QÍ~âÅÖ• Z'õ _= 'ê= ~â÷°xH , Z
 D <â}°`â J=ã"~âÅ# f~° ÛHÀ=_®xH ã"iÅ Ñ"iOEâ = Z'õ _= Ñ"i= }OÖ• kQÆ
 ^Õâ OÖ• q^Õj = ~°Hõ OE^=°=#~° ÅÃÑ. Éèi~°O Ñ" _» `ÀOk.

3. `«'õ _= L`âÊ^Hõ`«

Jaè=\$kú K Ok# ^ÕâßÅ`À áÈeçãÎ, Éèi~°«^Õâ OÖ• ÉÁQÆ æ Ñ"iOEâ =
 Z^ ~`O\Ok. ÉÁQÆ æ Ñ"iOEâ = U_» ÅHõ Å = OkH Láêkèx HõeÊ'ÊÎO
 Éèi QÆ\$Ç"Î QÆ# ÅÖ• KâÖÏ `«'õ _=QÍ LOk. D Éèi QÆ\$Ç"Î QÆ# Å 80 âß`«
 âß`«O = OE`«"Õ " Ú`«ÎO L`«ÊuÎH JOkã" ÎOk.

a. # < Å = iÜ«Ú ã"Ç"Î["âÜ«Ú=Ü

18 = iÜ«Ú 19 = â `âÉïiÅÖ• áèiOEâßq HõOQÍ Jaè=\$kú K Ok# J<ÕHõ
 =#~° . 19= â `âì `«~â"u HÍÅOÖ•, q #~°Öò P~ÚÖò qxÜ QÆO ÉÁQÆ æ#
 ~° á±OkOk. 'ê"«OE`â°#O`«~°O Éèi~°«^Õâ O 'õÄ_® ÃÑ^ì Ñ"i= }iÅÖ•, I
 D q #~°Öò # < Å# kQÆ = u KOã" Ok.

L` «Êuî (Introduction)

ÉİOÉEËÃÇ.İ"Õ, = Ç" #k _ Öİ, J'êûO, JOHõÖËâ " ~ü = iÜ«Ú HÍOÉEË (C
" Ú^_Ö .#q ã"Ç"İ["åÜ«Ú x H áêÄÖ• ÆÑ"ã kúQÍOKå~Ú. 1950 = ^_â HõOÖ•
L` «Êuî # O_ç 1962 = ã"O = `«û~åxH 10 ÅHõ Å @# "Å ã"QÆ@ L` «ÊuîH KÕ
J'êûO x H áêÄ Jaè=\$kú KÕã # `«~å" « D L` «Êuî 'ê= ~°÷°O ÑÑiyOk. Ñ"tU=
1974Ö• HõxÃÑ\ ì, Jaè=\$kú KÕã # `«~å" « 1977 <å\ H L` «Êuî 'ê= ~°÷°O 100
= iÜ«Ú Ñ"tU= ã"=Úœ^f~°œáêO` « Jaè=\$kú`À áê@ W` «~° x H Ñ" œáêO
œõÄ_£ L` «Êuî 341 ÅHõ Å @# "Å J` «°kèHõ 'ê÷~ÚH KÕiOk. J~Ú`Õ 1989-
H© } OzOk. 1995-96 <å\ H L` «Êuî 351 ÅHõ Å @# "Åõ KÕiOk.

Éèİ~° «^Õâ OÖ• # < Å = iÜ«Ú ã"Ç"İ["åÜ«Ú=ÚÅ ÅÉèí° « PtOz#O` «
f~°ÛÖË=Ü. HÍ\ ì ÆÑ"}İoHÍ ~° Ñ"Hõ~°İÅ `õÄ_® ZÅjÑ"C_» D ~°OQÆ Jaè

P~ÚÖò = iÜ«Ú <ÕK« ~°Öò QÍ(ãññ), 1995-96 = eq>_£ = iÜ«Ú ~°OÖ• ^Õâ
" Ú`ÎO L` «Êuî JÜÕ ° œõÄ_£ P~ÚÖòÖ• 90 âß` «O L` «Êuî "å\# Hõææ LO
WO_çÜ« eq > _£ = iÜ«Ú W` «~° ÉèİQÆ'ê"= ° " OK«~° ; Hõææ L<å"~Ú. "å
L` «Êuî, â kú, = Ô~\ OQ Å œÑ"Éèí°K, HPOQÆİã"QÆ÷Ö_#q KÕã #Ñ"Ê\ H
œÑ"Éèí` «"O P~ÚÖò " eH f«, P~ÚÖò = iÜ«Ú QÍõ ~°OQÍÅ Jaè=\$kú, â
œÃÑ"Õ@ ÑÑ@ ì_» Åõ `«Å Ñ"ÚÅ fã Ok.

œõÄ_£ P~ÚÖò L` «Êuî 1950-51 Ö• 2.5 ÅHõ Å @# "Å # Oz, 1995-96 <
ÑÑiy#Ñ"Ê\ H©, D ÑÑ~° QÆ ^_Å ÑÑ~° QÆ `« #» _ç= O_£ J=ã"~åÅ# f~°ÛÖ
qxÜ QÆO 747 ÅHõ Å @# "Å .

^Õâ OÖ• ÑÑœ\•Å L` «Ê` « ÎÅ _ç= O_£ = iÜ«Ú ã"Ñ"jÜü Å = ^è~° JO`
ÑÑœ\•Å L` «Ê` « ÎÅ kQÆ = u aÅ j QÆ}hÜ« OQÍ ÑÑiy q^Õj= ~°Hõ œ^=°O
J^Õ HÍÅOÖ• JO` «~å fÜ« = Ô~\òÖ• g\ ^è~°Å qÑ"s` «OQÍ ÑÑiQÍ~Ú. nC
ÑÑiyOk.

^Õâ OÖ• ÑÑœ\• L` «Ê` « ÎÅ qxÜ QÍx" `«yæOK«_®xH Z<À" K«~°Å
qxÜ QÆ œÑ"=\$uî ÑÑ~° QÆ `« <Õ Å œaÔHO@j "å\ 21 âß` «O Hõ<å" Z<õ
= ~ÀœÑ"Hõ g\ qxÜ QÆO ÑÑ~°QÆÑœ\•Ü«QÆ=ÚÖÅÖ•œaÔHO\ò) qÅ
W^Õ Ñ"iã ÷u ~å# #" HÍÅOÖ• `õÄ_® ^ÕjÜ« qxÜ QÆOÖ• œHõ= OQÍ ÑÑi

^Õâ OÖ•x ÑÑœ\•eÜ« O L` «Ê` « ÎÅ ^è~°Å# œÑ"Éèí` «"O x~°~Úã" Î
~°H OKÕO^_õ "å~° x` «°O "å_Õ=ã" Î=ÜÖ .# H ~Åã <£, eH "_£, ÑÑœ\•el
ã . â(Hwer)

=~°Î= # HÍÅOÖ• q^°K«ÛùH Î Ju œÑ" ^è€#" ÿ# â H Î=#~° . D` «~°Ç"
< Å , hà § " Ú^_ÅQÆ "å\ ã"Ç" Ü« O`À L` «Êuî KÕ'êÎ~° .

Éèĩ~° «^Õâ OÖ• q^ °K«ÛùH Î _ç= O_£ JkèHõOQÍ# , ÆHõ= OQÍ# Æ q^ °K«ÛùH Î qxÜ QÆO ~ÀA~ÀAH© ÆÑ~° QÆ `ÀOk. J~Ú`Õ, ^Õâ OÖ•x = \$kú âß`«O ÆÑ~° QÆ ^_Å Hõ#|_» `« Ok (Ñ` \ ìHõ 29.1 K« _» =Ú). ÆQÍg Ñ`ON`ÙÃã@ j, qxÜ QÆO =O\ HÍ~° ÆHõ= Å D = ^è~°HÍÅOÖ• QÆ}hÜ«

Ñ` \ ìHõ 29.1

AP ~°OQÍÅ P^è~°OQÍ q^ °K«ÛùH Î qxÜ QÆO (âß`«O Ñ`

~°OQÆO	1950-51	1970-71	1993-94
Ñ`iOEâ = Å	63	68	40
=°='êÜ« O	04	10	30
Ô~.ÖË“ q^ °ü fQÆÅ	07	03	02
Ñ`a;H± Ö .\ OQ	13	10	10
QÆ\$Ç`İ qxÜ QÆO	13	09	18
" Ú`«ÎO	100	100	100

qq^è~ = ~åæÅ ^€“~å L`«ÊuÎ JÜÕ ° q^ °K«ÛùH Î qq^è~ ~°HÍÅ QÍ Æ

1. ^ä~°,Öò q^ °K«ÛùH Î

^ä~°,Öò q^ °K«ÛùH Îx L`«ÊuÎ KÕÜ« _®xH ÉÁQÆ æ, W`«~°=Ú_ç Ñ` HÍ|>Èi ^ä~°,Öò q^ °^ `«ÊuÎ Hõ~å,QÍ~åÅ# ÉÁQÆ æ QÆ# Å ã`q Ñ`OÖ• <õÄ_® L`«ÊuÎ KÕ'êi~°. ÉÁQÆ æ, _ôlÖò P~ÚÖòÅ Ñ`Ù#~° `«ÊuÎ K O^~x = Hõ+`ìO.

= #^Õâ OÖ• J<ÕHõ ÆáêO`åÅÖ• `åQÆ h~° <õÄ_® H ~°«QÍ LOk. `å Wi Q+`<£<õ "å_»=K« Û. HÍ| \ ì q^ °K«ÛùH Îx L`«ÊuÎ KÕÜ« _®xH h\ x "å_ ÆáêO`åÅÖ• ^ä~°,Öò q^ °^ `«ÊuÎ LÑ`Ü QÆHõ~°O.

L`«Î~° Éèĩ~° «^Õâ OÖ• ^ä~°,Öò = iÜ«Ú ÃÇ·İ_»Öò q^ °^ `«ÊuÎ "å Éèĩ~° «^ÕâßÅÖ• JkèHõ âß`«O "å\|# ^ä~°,Öò q^ °K«ÛùH Î Hõey LOk. ÉÁ JO^ =Åj<Õ ÆÑ^_ì JÅ °q xÜ« O = iÜ«Ú L<õ - Ñ`iOEâ = Å `«= '‡O`« ^ä~°, f~°Û_®xH 'ê÷Ñ OK« <õ O@ <å”~°. ^Õâ OÖ• " Ú`«ÎO q^ °üÖ• ^è~°,Öò

2. [Å q^ °K«ÛùH Î

q^ °ü# L`«ÊuÎ KÕ;ã qq^è~ = ~åæÅÖ•, [Åq^ °ü Ñ`Ù#~° ^_úíOÑ xi,Oz, #n[ÖlÅ ÆÑ^_ì @Ô~†Å#;Ö•H Ñ`ON`Ù`å~°. D q^è~OQÍ h\ ã`Ç“ Ü q^ ÛK«ÛùH Î JO\i~°.

D HOE^€Á 'ê÷Ñ" # JkèHõ =°Ü« O`À# , HÍÁO`À# <õÄ_» <õ x LOK. J~Ü
=#~° .

Éèi LÑ"i P=°}=Ú`«<õ¯=Z`«ÎÖ•LO_»@O=Á# JkèHõ âß`«O [Áq^ °
J=Ü`ÀOK. Ç Ĭ= ÅÜ« Å`« ~° Ê L`«Î~° OEáêO`«OÖ• JkèHõ h\ =#~° Å ÁÉèi°
qxÜ yOK«_»O ÖË^ . D [Áq^ °ü# JkèHõOQÍ Ç Ĭ= ÅÜ« Å<õ Ñ"_»= \
qxÜ yã" Î<ã"~° .

'ê" «OE`ã°#O`«~°O = #^Õâ OÖ• qq^è-i=~ü"ã°s OEáê* <õ ìÁ OEáê~°O
[Á q^ °^`«ÊuÎ HÍÁ =Á # Oz, #^ Á # Oz, ã"~°ã" ûÁ # Oz h\ x qxÜ yOz Jk
KÕ¿ã J=HÍâ O LOK.

3. J} q^ (Atomic Electricity)

Wk J`«°kèHõOQÍ ÁÉèi°= ÜÕ °, OEHõ= OQÍ OEÑ" ^è€# =#~° QÍ = ~°`
= iÜ«Ú ^äÀiÜ« O ^€"~ã L`«ÊuÎ KÕ'êÎ~° . Éèi~°«^Õâ OÖ• ã" = ~° 2000 (O
QÆ iÎOKã~° , Wk KãÖĬ ã""ÁÊO. J~Ú`Õ OEÑ"Ñ"OK«"ã°Ñ"ÎOQÍ ^äÀiÜ« O xÁ
L<ã"~Ú. W`«~° â H Î=#~° Á`À áÈeÚ#Ñ"C_» J} â H Î JkèHõ L`áÊ^Hõ 'ê=
11 @# "Á ÉÁQÆ æ`À KÕ¿ã q^ °^`«ÊuÎx H=ÁO XHõ @# " Ü«Ú ~xÜ« C
QÆ iÎOÑ"=K« Ê. JO`ÕQÍHõ, ^ä~°,Öò q^ °^`«ÊuÎ JkèHõ =°Ü« OEÑ"Ü«
q^ °^`«ÊuÎ KÕã nxx = #O JkèQÆq OK«=K« Ê.

^ä€~ãÑ"Ó~ü, HõÁÊHõO, HÀĬ " Ú^Ö .#q J} q^ °^`«ÊuÎ HOE^€Á
OEÑ"ã" Î«O " Ú`«ÎO q^ °üÖ• J} q^ °ü "ãĬ KãÖĬ ã""ÁÊO. `q , ^= OEÑ"
q eÜ« <£ "ã@ĭ 'ê= ~°÷°O QÆÁ HOE^`ê÷Ñ" # KÕ¿ã OEÑ"Ü« `«"O KÕâß
= #^Õâ OÖ• Ü«Ú ~xÜ« O xÁ"Á `«<õ¯=QÍ L#"Ñ"Ê\ H©, J} q^ °ü L`«
OEc_»~ü iÜ« Hõì~°ĭÖ• "ÕQÆ=O`«OQÍ Ñ"ONÑ"_»O ^€"~ã, OEáÈ`«ûÇ ĬOK«

â H Î ã"Ñ"ĭÜü Hõ<ã" _ç= O_£ "ÕQÆOQÍ ÃÑ~° QÆ`« O^<Õ "ããÎ= ~°
áèiOEâßq Hõ, =°='êÜ« , QÆ\$Ç"Ĭ ~°OQÍÁÖ• q^ °ü qxÜ QÆO QÆ}hÜ« C

ÃÑ~° QÆ`« # J=ã"~ãÁ<õ J# QÆ }OQÍ, =#~° Á H ~°« HÍ~°}OQÍ, q^
HÍ\ Ĭ QÆ`«OÖ• H=ÁO OEÑ"Éèi`«~°OQÆÖ• HOEñHõ\$`«" ÿ# q^ °^`
HõeÊOKã~° .

ç. 'œ~°, "ãÜ«Ú = iÜ«Ú > ÿ»Öò â H Î

'œ~° = iÜ«Ú "ãÜ«Ú â H Î=#~° Á 'êOOEÑ" ^èÜÕ `«~° WO^è-# =#~° Á
OEÑ"ã" Î«O OEÑ"Ü« `«"O KÕã" Î<ã"~° . D =#~° Á qxÜ yOK«_@xH =ÚY°H

HÍÅ +°O`À# LOÏ~Ú. 'êOœÑ~^€Ü« =#~° Å HÍÅ +°~°Ç Ì`«OQÍ# , Ñ~Ú#~
LOÏ~Ú.

1. 'œ~?âHĤ (Solid Energy)

'œ~°â H Ĥ qiqQÍ ÅÉèí°= ÜÖ ° =#~° J~Ú#Ñ~Ê\ H©, nxx KÒHõQÍ L`«Êu
JOKÑ~ÙK« ÛHÀ"âe. 'ÈÖÏ~ü `õ Hõ~° j, gkè náêÅ , QÆ\$Ç~Ïq^` ° ü J=ã~`â
L^€Ç~Ï~°}Å . 1995-96 = ã~O= `«û~°OÖ• 680 gkè náêÅ Ñ~iHõ~âÅ , 7470 QÆ
'ÈÖÏ~ü ÖÏO`«~° j ~° á†OkOKâWP. WqG HÍÅÖ•BÖ`« â H Ĥ L`«ÊuĤ KÖÜ«
Ñ~iHõ~âÅ qxÜ QÍx" ã~aû_ç JOKOK«_»O ^€~`â œÁÈ`«ûÇ Ìã~ Í<ã"~° .

2. "âÜ«ÚâHĤ (Wind Energy)

H O_» œÁêO`âÄÖ•# , HÀ'êĤ œÁêO`âÄÖ•# "âÜ«Úâ H Ĥ qiqQÍ ÅÉèí°=
LÑ~Ü y`â â H ĤQÍ ~° á†OkOK«QÆe Q 'êO HuHõ Pi÷Hõ ÅÉèí°`« P=â °HõC
"â@j Hõ<â" Z`õ ~°=QÍ LOK. QÆ`« H x" ã~O= `«û~âÅ QÍ = #^Öâ OÖ•"âÜ«Úâ
Hõ\$`«Hõ\$`«°= ~Ú°Ok. 1995-96 <â\ H 732 q eÜ« <£ "â@j " Ú`«ÎO 'ê= ~°÷
q eÜ« <£ "â@j 'ê= ~â÷°x" œÃÑ~.Ö@ ~°OQÆO Hõey LOK. Zxq ^_= œÑ
'ê= ~â÷°x" 'êkèOz, J" iHÍ`«~â"« Ô~O_»= 'ê÷<âxH = #^Öâ O KÖ~° `õ O©

3. >ÿ_»ÖòâHĤ (Coal Energy)

qã~Ĥ\$`«OQÍ HÀ'êĤ œÁêO`«O LO_»@O=Åj = #`õ >ÿ_»Öòâ H Ĥ `õÄ_@
'ê÷Ñ~#`«`õ ~°= Y~° Û`À `õÄ_» `õ #~k, =°Ü« Å J`«°O`« ã~"ÄÊOQÍ LOÏ~Ú. J-
L#"Ñ~C_Ö Wk 'ê^è~°O

W. |Ü = ã (Bio-Mass)

=O@K ~°`õ , Ñ~â =ÜÅ ¿Ñ_», Ñ~O@Ö• = \$^è€Å " Ú~Ö .#q â H ĤH
ÅaèOKÖ â H Ĥ |Ü = ã . J<ÖHõ œQÍq } œÁêO`âÄÖ•=O@ K ~°`õ œÑ~^è€
`õÄ_® nx" qxÜ y'êĤ~° . QÆ\$Ç~Ï x~â,}ĤÅH , Ñ~iœâ = H , `õ @ O| qxÜ QÍx
J_»=ÜÅÖ• K @j ã~OY° œHõ= OQÍ`«yæ Ñ~~â°=~°}O ÑÑ. ^_ œ+"ÊÉèì"âx"
K ~°`õ `õ |~ Å QÍ Ñ~â qã~~° HÍÅ# , Ñ~O@ = \$^è€Å# LÑ~Ü yOz QÆ\$Ç~
^Öâ OÖ• ã~ = ~° 100 HÀ@j @# "Å ¿Ñ_» ã~O= `«û~âxH ÅÉèí°= =Ü`ÀOk. ã
Ñ~O@ = \$^è€ S^_ HÀ@j @# "Å ÅÉèí°= =Ü`ÀOk.

œQÍq } œÁêO`âÄÖ• 'ê= IHõ J_»=ÜÅ ÑÑONÑ~HõO 'ê÷xHõ |Ü = ã J=
^è€Ñ~Ü`«"i`«OQÍ ÑÑi Q 70 ~°HÍÖ .# K @j# ^Öâ "â°Ñ~ÎOQÍ ÑÑOK«`« <â
Ñ~iHõ~âÅ 'ê= ~°÷°`« WOHÍ ÑÑOKâeû# P=â °Hõ`« ZO` .<â LOK.

ZÑ¶||Ü - QÍ°ã (Bio-Gas)

|Ü QÍ°ã áê;O\ò Ñ"â , = # = qã"~° HÍÅ# P~åæxH± Z~° = ÛQÍ = ~° ã" ÎO
Wà §Ö• = O@ ¢õ , Ö \ OQ ¢õ "å_» = K« Û. z#" 'ê = ~° ÷ ° O QÆÅ = ° = 'êÜ«
KÕÜ« = K« Û. 1970 = ^-â HõOÖ• = zÛ# P~ÚÖò ÅÉèí° « Ö• Ö•@ D |Ü QÍ°ã
œQÍq } œáêO`åÅÖ• g\ U~åÊ@ ¢õ œÑ"Éèí` « "O qq^è- ã"au_ôÅ , Éí°O ¢õ

^Õâ "å°Ñ"ÎOQÍ 1981-82 = ã"O = ` « û~° OÖ• |Ü QÍ°ã Jaè = \$kú *Î « Å#
œáê~° OaèOKå~° . ^Õâ "å°Ñ"ÎOQÍ 120 ÅHõ Å QÆ\$Ç" ÅÖ• |Ü QÍ°ã áê;O@
<à\ H 23.59 ÅHõ Å |Ü QÍ°ã áê;O@;# 'ê ÷ Ñ OKå~° . D ¢õ @ O | 'ê ÷ ~Ú |Ü QÍ°ã
WO^è-# = #~° Å = OœU` « " âßY 'ê = IHõ = iÜ « Ú ã"O'ê ÷ Ñ"~° " ÿ# |Ü QÍ°ã
œáÈ` « ûÇ İã" ÎOk.

30.2 áê~îå°Oâ œÑ"â "Å

D œH Ok "å\ Ö• ` « Ñ"C / XÑ"CÅ# QÆ îOK « O_ç.

- i) Éèí~° « ^Õâ OÖ• ÅaèOKÕ ÉÁQÆ æ ` « ¢õ = | _ç^ ÉèİQÆO`À, JkèH
- ii) ^Õâ OÖ•x Jx" ÉÁQÆ æ xÅ"Å Ñ"O*İÉò, Ç"İ~å°<å, [=Ú, HÍj ~üÅÖ•<Ö
- iii) ÉÁQÆ æ# JkèHõOQÍ qxÜ yOKÕk L ¢õ Ñ"iœâ =
- iv) Éèí~° « ^Õâ OÖ• ÅaèOKÕ P~ÚÖò = iÜ « Ú <åK« ~°Öò QÍ°ã ÅÉèí° «
- v) ^Õâ OÖ• ÑÑœ\•Å L` « Ê` « ÎÅ ^è~°Å# = Ô~\ò _ç = O_£ x~° ~Úã" ÎOk
- vi) " Ú` « ÎO q^ °K« ÛùH Î L` « ÊuÎÖ• ^è~°, Öò q^ °K« ÛùH Î "å\ JkèHõO
- vii) Éèí~° « ^Õâ O ` « ¢õ = ^äAiÜ« O xÅ"Å# , Z ¢õ = Ü« Ú ~xÜ« O xÅ"Å# H
- viii) = #O 'œ~°â H Î ^€"~å â H Îx L` « ÊuÎ KÕÜ« ÖEO.
- ix) |Ü QÍ°ã áê;O@ ; Z~° = Û# , QÍ°ã # Ô~O_çO\ h L` « ÊuÎ KÕ'êî~Ú.

30.7 Éèí~° « ^Õâ Pi÷HÍaè = \$kúÖ• â H Î œáê^è€#° «

ÉÁQÆ æ , # < Å , ã"Ç"İ "åÜ« Ú = ÛÅ , h~° = O\ â H Î = #~° Å ^Õâ OÖ•
KÕã" Î<å"~Ú. D â H Î = #~° Å# qxÜ yOK« HõáÈ` Ö Ñ"tÛ = ^ÕâßÅ Jaè = \$kú.
'ê" « Oœ`å°#O` « ~° HÍÅOÖ• D â H Î = #~° Å Pi÷HÍaè = \$kúH ZO` « QÍ<À Hõ\$+
QÆ îOz# œÑ" } İoHÍ Hõ~°ÎÅ , nxH J` °O` « œáê^è€#° « # WKåÛ~° . " Ú~
L#" H\~ÚOÑ"ÙÅ , U_» = Ñ"OK« = ~° Ñ"œÑ" } İoHõ HÍÖİxH 28.2% H KÕ~å~
â H Î~° OQÆO UU ~° OQÍÅ Jaè = \$kúH `À_» Ê_çO^À œH O^ K« Ñ" _

= #= r=# <å}° «# â H Î ZO`«QÍ<À =\$kú KÕã Ok. =O@<õ , " Å `« ~° < K«Å¡^—<åx" HõeÊOK«_®xH , Ü« OOEuH©Hõ~°}<õ â H Î qxÜ y'êî~° . Jaè= â H Î P^è€~°O. D â H Î Éè uHõ r=# <å}° «# ÃÑOK«_»"Õ QÍHõ, ÆQÍq } Æ ^ÀÇ"İ~Ñ"_» `« Ok. L^€Ç"İ~°}<õ `«<õ -= JO`«ã" Î QÆÅ ÆQÍq } = Ç İà <õ W U~åÊ@ KÕÜ« _»O ^€“~å QÆ\$Ç"İ Ñ"xx `«yæOz, "aiH qq^è— L^À°QÍ=HÍ

=0='êÜ« ~°OQÆ Jaè=\$kúÖ• â H Îœáê^è€#` « JO^iH©` eã O^Õ. Ñ`
â H Î ã`Ç` Ü« O`À Ñ`xKÕçã Ü« Oœ`åÅ =0='êÜ« ~°OQÆOÖ• Ñ`Ñ`C ^è€
W`«~°=0='êÜ« L`«Ê`« ÎÅ kQÆ |_» Å ÃÑOKå~Ú. D JkèHõ L`åÊ^Hõ`« =Å

œÑ"ã" î «O Ñ"iœâ = Åõ =ã" î=ÙÅ# L`«Êuî KÕÜ« _®xH â H î ZO`À
=O`« áêiœâßq Hõ ~°OQÆO qxÜ y'ÊÎOk. J~Ú`Õ, â H î =#~° Å ÅÉèí° « Ó
œÑ" ^è€# P@OHõOQÍ K Ñ"Ê=K« Û. â H î qxÜ QÆO áêiœâßq Híàè=\$kú
=Å# qxÜ QÆ 'ê= ~å÷°Å `«QÆ æ`« <å"~Ú.

â H Î q x Ü Q Æ O Ñ Ñ ° Q Æ ~ Å ^ Ñ â Ö • L ^ À ° Q Æ H õ Å Ê # Ñ Ñ O z O k
J = H í â ß Å Ñ Ñ i Q í ~ Ú . H = Å O É Á Q Æ æ Ñ " i O E â = U _ » Å H õ Å = O k H L ^ À ° Q
L ` « Ê u î = i Ü « Ú q x Ü Q Æ J a è = \$ k ú H ã " O | O k è O z # J < Ñ H õ E Ñ " É è í ` « " ~ ° O Q
H õ e Ê ã " Î < â " ~ Ú . D H Í ~ â ° Å Ü « Å q e Ü « # j L ^ À ° Q í Å # W K å Û ~ Ú . ã " ~ ° m H õ \$ ` ~ ° O Q Æ O Ö • â H Î = # ~ ° Å J a è = \$ k ú E á È ` « û Ç ï O Ñ " | _ ç , J < Ñ H õ L ^ À ° Q í = H í â

30.8 â H Î ~°OQÆ OEÑ" ^è€# ã" = ã"°Å

1. L`«ÊuÎ Jã" = OEQÆO

â H Î ã" = ã"° <õ ^Õâ OÖ• _ç = O_£ = iÜ«Ú L`«Ê`« ÎÅ = ^è—° Jã" = `ÒÅ° ã"Ñ" ;Üü Å = ^è—° `Õ_® J<ÕHõ ~°HÍÖ .# "å} [° WO^è—<åÅÖ•# LOK. HÍh U ã"Ñ~°QÆ_»O ÖË^ . â H Î L`«ÊuÎ = \$kú ~@ , OE<õÄ_£ P~ÚÖò L`«Ê`« ÎÅ = \$

2. OE^—=°=#~° Å H ~°`«

â H Î =#~° Å "ÕQÆOQÍ ã"ÑOKåÅO>Ë, JkèHõ " Ú`åÎÅÖ• ã"Ñ@ ì|_» Å HÎ~ÚOKÕ " Å ã" ÉÎ@ ÖË^ .

3. JkèHõ Jã" = `ÒÖÏ°Å

" Ú^_@QÍ, ^Õâ O`«<õ ^ = " Ú`«ÎOÖ• P~ÚÖò = iÜ«Ú QÍ°ã xÅ"Å# Hõe JkèHõOQÍ LOK.

Ô~O_»=k, "å} [°â H ÎÖ• ^€^€Ñ"Ù 80 âß`«O Ñ"@ìÏÅÖ• qxÜ yã" Î<å"~ "åÏ KåÖÏ`«<õ ^ = . =,_»=k, 'œ~°, "åÜ«Ú â H Î =O\ Ñ"Ù#~°`«ÊuÎ KÕÜ« QÆ LOK.

4. Jã" = ~°÷`«Å

D OEH O^ q=iOz# q^è—OQÍ, ÉèÏ~°`«^Õâ OÖ• â H Î~°OQÆO J<ÕHõ " Ú^_ k : â H Î JaèÅ+""}©Ü« qxÜ QÆO [i Q Ñ"iHõ~åÅ , =ã" Î=ÚÅ qxÜ Q. Ô~O_»=k : â H Î Ñ"ON }©, L`«ÊuÎÖ•x #èèìÅ =,_»=k : â H Î L`«ÊuÎ HOE^€Å, ÉAQÆ æQÆ# Å, P~ÚÖò x H áèÅ x~°"Ç

30.9ã" = ã"°Å x~°, Å#<õ fã" HÀ=eû# / fã" <õ #" K«~°°Å

â H Î =#~° Å<õ J=ã"~°" ÿ# J='ê÷Ñ"<å x~å,}ÏÅ ÉÏ^è—°`« 'ê^è€~°}OQÍ O qiqQÍ J=ã"~°" ÿ# ã"Ñ@ ì|_» Å# KÕÜ« _®xH J=ã"~°" ÿ# =#~° Å ã"q Hõ~ [~°QÆ<õ O_® HõeÉOK«_»O OEÑ"Éèì`å"xH 'ê^è—°O HÍ^ . HÍ\ ì OEÑ"ã" Î`« OEáÈ`«ûÇ Ï'ÈÎOk. nx xq`«ÎO J<ÕHõ Ñ"# " q #Ç" ~ÚON"ÙÅ# OEÑ"Hõ\ Oz P â H Î 'ê÷~Úx ã"ÑOK«_®xH D OEH Ok K«~°°Å# fã" HÀ=K« Û :

1. P~ÚÖò " eH f`« ã"Ñ. ^-\$+ ì HOEñHõiOz, P^è— xHõ OE<õÄ_£ P~ÚÖò
2. WO^è—# á‡^ Ñ"Ù KÕçã Ñ"iHõ~°}ÏÅ# OEáÈ`«ûÇ ÏOKæ.
3. q^ °ü Ñ"ON }©Ö• Ö•áèÅ ` ÅyOKæ.

4. $\tilde{A}\tilde{N}\tilde{O}\tilde{E}\backslash e\ddot{U}\ll O WO^{\wedge}e-\langle a\tilde{A}\tilde{N}\tilde{N}\cdot i\tilde{a}^{\sim}i\hat{U} = i\ddot{U}\ll\acute{U} \tilde{A}\tilde{N}@ i|_{-}\gg \tilde{A} \tilde{A}\tilde{N}OK\grave{a}e.$
5. $uiy \acute{a}\ddot{t}O^{\wedge}-Q\grave{A}Ee Q =\#^{\sim^{\circ}} \tilde{A} L^{\circ}\ll\acute{E}u\hat{I}x, qx\ddot{U} Q\acute{I}x^{\circ}\gg \tilde{A}\tilde{N}OK\grave{a}e.$
6. $q^{\wedge}{}^{\circ}K\ll\hat{U}\hat{u}H \hat{I} qx\ddot{U} Q\acute{I}xH, \tilde{a}^{\sim}=\sim^{\circ}\div^{\circ}\ll \tilde{A}\tilde{N}O\tilde{N}^{\sim}\hat{U}^{\wedge}-\tilde{A}\grave{o} \tilde{a}^{\sim}O|Ok\grave{e}Oz\# JO\grave{a}$
7. $uiy \acute{a}\ddot{t}O^{\wedge}-\ddot{O}\ddot{E}x =\#^{\sim^{\circ}} \tilde{A} qx\ddot{U} Q\acute{I}x^{\circ}\gg \ll y\grave{a}eOK\ll_@xH \gg \ll Q\grave{A}E \tilde{a}^{\sim}a\hat{u}_{\hat{o}}\tilde{A}, \sim^{\circ}$
8. $'\hat{e}O\tilde{O}\tilde{E}\tilde{N}^{\sim}\wedge\in\ddot{U}\ddot{O} \gg \ll \sim^{\circ} WO^{\wedge}e-\# =\#^{\sim^{\circ}} \tilde{A}\# qiqQ\acute{I} "a_@e.$
9. $q^{\wedge}{}^{\circ}K\ll\hat{U}\hat{u}H \hat{I} L^{\circ}\ll\acute{E}u\hat{I}\ddot{O}\cdot \tilde{O}\tilde{E}\tilde{A}\tilde{N}\cdot "O\tilde{O}@ = i\ddot{U}\ll\acute{U} q^{\wedge}\tilde{O}j \tilde{A}\tilde{N}@ i|_{-}\gg \tilde{A}\# JOw\tilde{I}$

$\acute{a}\hat{e}\sim\hat{I}\hat{a}^{\circ}O\hat{a} \tilde{O}\tilde{E}\tilde{N}^{\sim}\hat{a} " \tilde{A} 30.3$

$\tilde{O}\tilde{E}H Ok M\grave{I}m\tilde{A}\# \tilde{O}\tilde{E}\tilde{I}\tilde{O}\tilde{H}@j\ddot{O}\cdot Wz\hat{U}\# \tilde{N}^{\sim}\wedge\in\ddot{O}\ddot{O}\cdot \tilde{a}^{\sim}i\ddot{U} \ddot{y} \# \tilde{N}^{\sim}\wedge\in x^{\circ} Z\# "H x \tilde{N}^{\sim}\wedge$

- i) $Jk\grave{e}H\ddot{o} \gg \ll \tilde{A}\tilde{a}^{\sim}i P^{\wedge}\in\ddot{U}\ll O Q\grave{A}E\tilde{A}^{\wedge}\tilde{O}\hat{a}\beta\tilde{A} '\hat{e}^{\wedge}e\in\sim^{\circ}\}OQ\acute{I} \dots\dots\dots \hat{a} H \hat{I}$
 $(Jk\grave{e}H\ddot{o}, J\tilde{A}\tilde{E}, \hat{a} \nexists^{\#^{\circ}})$
- ii) $q^{\wedge}{}^{\circ}K\ll\hat{U}\hat{u}H \hat{I}, P\sim\acute{U}\ddot{O}\grave{o}\hat{u} = i\ddot{U}\ll\acute{U} \acute{E}\acute{A}Q\grave{A}E \grave{a} qx\ddot{U} Q\grave{A}EO, Q\grave{A}E^{\circ}\ll H x^{\circ}\gg \tilde{a}^{\sim}O=$
 $(\tilde{A}\tilde{N}\sim^{\circ} Q\grave{A}E^{\circ}\grave{A}Ok, \gg \ll Q\grave{A}E \grave{a}^{\circ}\grave{A}Ok, \tilde{a} \div\sim^{\circ}OQ\acute{I} LOk)$
- iii) $\tilde{O}\tilde{E}Q\acute{I}q \} \tilde{O}\tilde{E}\acute{a}\hat{e}O^{\circ}\hat{a}\tilde{A} \langle\ddot{o}O>\ddot{E} \tilde{N}^{\sim}@i\} \tilde{O}\tilde{E}\acute{a}\hat{e}O^{\circ}\hat{a}\tilde{A} " \acute{U}^{\circ}\ll\hat{I}O "a\} [^{\circ} \hat{a} H \hat{I} qx\ddot{U}$
 $"a_ \gg \gg \ll \langle\hat{a}^{\circ}\sim\acute{U}. (\gg \ll \langle\ddot{o}^{\circ} =, Z\langle\ddot{o}^{\circ} =, \tilde{a}^{\sim}=\#)$
- iv) $" \acute{U}^{\circ}\ll\hat{I}O "a\} [^{\circ} \hat{a} H \hat{I}\ddot{O}\cdot \tilde{a}^{\sim}=\sim^{\circ} \dots\dots\dots \hat{a}\beta^{\circ}\ll O "a\grave{I}\# \tilde{N}^{\sim}i\tilde{O}\tilde{E}\hat{a} = H\tilde{O}$
 $75\%)$
- v) $" \acute{U}^{\wedge}\backslash \tilde{O}\tilde{E}\tilde{N}^{\sim}\} \grave{I}oH\ddot{o} \# O_ \tilde{O}\tilde{E}\tilde{N}^{\sim}\} \grave{I}oH\acute{I} H\grave{I}\sim\acute{U}O\tilde{N}^{\sim}\hat{U}\tilde{A} "a\grave{I}\tilde{A}\ddot{O}\cdot \hat{a} H \hat{I}\sim^{\circ}OQ\grave{A}E$
 $(\tilde{A}\tilde{N}\sim^{\circ} Q\grave{A}E^{\circ}\grave{A}Ok, \gg \ll Q\grave{A}E \grave{a}^{\circ}\grave{A}Ok, \tilde{a} \div\sim^{\circ}OQ\acute{I} LOk)$

$Q\grave{A}E \sim^{\circ} \hat{I}OK\ll H\grave{A}=\tilde{A}\tilde{a} \# JO\hat{a}\beta\tilde{A}$

- x $=O@ H\acute{I}\sim^{\circ}H\ddot{o}\ddot{O}\hat{I}\acute{a}\hat{e}\tilde{A} H\grave{A}\tilde{a}^{\sim}O, \ddot{U}\ll O\tilde{O}\tilde{E}^{\circ}\hat{a}\tilde{A}\# \#_ \tilde{O}\tilde{E}\tilde{N} OK\ll_@xH, \ddot{O}\backslash O$
 $K\ll\hat{A}j|\sim^{\circ}K\ll @, =\tilde{a}^{\sim} \hat{I}=\hat{U}\tilde{A}\# \gg \ll \sim^{\circ}eOK\ll @ =O\backslash H\acute{I}\sim^{\circ}O\tilde{E}H\ddot{o}=\tilde{A} H\grave{A}\tilde{a}^{\sim}O$
 $[\sim^{\circ} Q\grave{A}E^{\circ}\ll Ok.$
- x $qq^{\wedge}e-\hat{a} H \hat{I} \sim^{\circ} \acute{a}\hat{e}\tilde{A}\# D \tilde{O}\tilde{E}H Ok \tilde{O}\tilde{E}\tilde{N}^{\sim}\wedge e\in\# \sim^{\circ}H\acute{I}\tilde{A} Q\acute{I} =s\grave{a}eH\ddot{o}iO\tilde{N}^{\sim}=$
 $Z. uiy \acute{a}\ddot{t}O^{\wedge}-Q\grave{A}Ee Q / uiy \acute{a}\ddot{t}O^{\wedge}-\ddot{O}\ddot{E}x a. "a\} [^{\circ}\tilde{N}^{\sim}\sim^{\circ}" \ddot{y}\# / "a\} [^{\circ}\tilde{N}^{\sim}$
 $'\hat{e}O\tilde{O}\tilde{E}\tilde{N}^{\sim}\wedge\in\ddot{U}\ll / '\hat{e}O\tilde{O}\tilde{E}\tilde{N}^{\sim}\wedge\in\ddot{U}\ddot{O} \gg \ll \sim^{\circ} WO^{\wedge}e-\#=\#^{\sim^{\circ}} \tilde{A}$
- x $=\#^{\circ}\tilde{O}\hat{a} O\ddot{O}\cdot \acute{E}\acute{A}Q\grave{A}E \grave{a}, P\sim\acute{U}\ddot{O}\grave{o} = i\ddot{U}\ll\acute{U} \tilde{a}^{\sim}\tilde{C}^{\circ}\hat{I}["a\ddot{U}\ll\acute{U} x\hat{A}^{\circ}\tilde{A} \gg \ll \langle\ddot{o}^{\circ} =$
- x $\tilde{O}\tilde{E}\tilde{N}^{\sim}\acute{E}\acute{e}\hat{I} \gg \ll "O uiy \acute{a}\ddot{t}O^{\wedge}-Q\grave{A}Ee Q =\#^{\sim^{\circ}} \tilde{A} qx\ddot{U} Q\acute{I}x^{\circ}\gg \tilde{O}\tilde{E}\acute{a}\hat{E}^{\circ}\ll\hat{u}\tilde{C} \hat{I}\tilde{a}^{\sim}$
- x $q^{\wedge}{}^{\circ}K\ll\hat{U}\hat{u}H \hat{I} \tilde{O}\tilde{E}\tilde{N}^{\sim}\wedge e\in\#OQ\acute{I} =,_{-}\gg \sim^{\circ}H\acute{I}\tilde{A} Jq : ^{\wedge}\tilde{a}\sim\sim^{\circ},\ddot{O}\grave{o}, \tilde{A}\tilde{C}^{\circ}\hat{I}\tilde{O}\tilde{E}$

x	ÃÇ·lœ_À â H Î L`«Êuîx œáÈ`«ûÇ lOKæe. HÍ~°}O Jk uiy á†O~Q
x	Éèl~°`«^Õâ OÖ• q~ °K«ÛùH Î L`«ÊuîÖ•# , Ñ"ON } Ö•# #ëèiÅ
x	'œ~°, "åÜ«Ú = iÜ«Ú > ÿ_»Öò ^€"~å â H Î L`«ÊuîH J=HíâßÅ L<
x	=O@K ~°'õ , Ñ"O@ =\$^è€Å = iÜ«Ú ¿Ñ_» =O\ q 'ê^è€~°}OQÍ œ J=ã"~åÅ f~° 'êl~Ú.
x	"ÕQÆ=O`«" ÿ# Pi÷Hõ =\$kú 'êkèOKåÅO>Ë â H Î =#~° Å Jaè=\$k
x	= # ^Õâ OÖ• â H Î ~°OQÆO _ç= O_£ - ã"Ñ"jÜü Å Jã"= `ÒÅ° ã"= å ÅÉèí°`« , â H Î qxÜ QÆOÖ• Jã"= # «Å , qq^è– Jã"= ~°÷`«Å W`«
x	D ã"= ã"°Å# JkèQÆq OK«_@xH œÃÑ"·"Õ@ ~°OQÍx" œáÈ`«ûÇ lœ œÑ"~°å°= "Ü« J=HíâßÅ , WO^è–# á†~Ñ"Ü LÑ"Hõ~°}iÅ qxÜ QÆ =#~° Å qxÜ QÍx" ÃÑOK«_»O, Ñ"ON } Ö•#ëèiÅ# Ñ"ijeOK«_»O=O

áê~îâ°O`«~° œÑ"â "Å

1. qq^è– â H Î = ~åæÅ# ` Å Ê=Ú. `«QÆ L^€Ç"i~°}Å# Wã" Î, UU ~°H
`eÜ« KÕÜ«Ú=Ú.
2. uiy á†O~QÆe Q â H Î =#~° Å# "å_»@O =Åj Hõe Q œÑ"Ü [<åÅ K
3. Éèl~°`«^Õâ OÖ• ÉÁQÆ æ = iÜ«Ú # < Å ÅÉèí°`«# q=iON"Ü=Ú.
4. Éèl~°`«^Õâ OÖ• q~ °K«ÛùH Î ÅÉèí°`« 'ê÷~Úx q=iON"Ü=Ú. â H Î~°
ã"~g H ON"Ü=Ú.
5. Éèl~°`«^Õâ Pi÷Híâè=\$kú â H Î~°OQÆO áêœ`«# q=iON"Ü=Ú.
6. œQÍq } Éèl~°`«^Õâ OÖ• qxÜ yOKÕ qq^è– â H Î J=HíâßÅ# q=iON"Ü=Ú
7. Éèl~°`«^Õâ OÖ• â H Î~°OQÆO Z~ ~ °O@ #" qq^è– ã"= ã"°Å ` Å Ê=Ú
Uq \ ?

ã"= ^è€<åÅ

áê~îâ°Oâ œÑ"â "Å 30.1

i) `«Ñ"ÜÊ ii) `«Ñ"ÜÊ iii) XÑ"ÜÊÑ"ÜÊ

áê~îâ°Oâ œÑ"â "Å 30.2

i) `«Ñ"ÜÊ ii) `«Ñ"ÜÊ iii) `«Ñ"ÜÊÑ"ÜÊ vi) XÑ"ÜÊ

vii) `«Ñ"ÜÊ viii) XÑ"ÜÊ ix) XÑ"ÜÊ

áê~îâ°Oâ œÑ"â "Å 30.3

i) Z<õ ii) ÑÑ~° QÆZÀOk iv) 50% v) ÑÑ~° QÆ`ÀOk.

áê~îâ°O`«~° œÑ"â "Å

1. 30.3 30.5 ÉèİQÍÅ# K«^ =Ù=Ú.
2. 30.5d) ÉèİQÍx" K«^ =Ù=Ú.
3. 30.6&B ÉèİQÍÅ# K«^ =Ù=Ú.
4. 30.6 ÉèİQÍx" K«^ =Ù=Ú.
5. 30.7 ÉèİQÍx" K«^ =Ù=Ú.
6. 30.6 ÉèİQÍx" K«^ =Ù=Ú.
7. 30.8 30.9 ÉèİQÍÅ# K«^ =Ù=Ú.

31. q` «Îã"Oã"÷Å

(Financial Institutions)

31.1. LáÊ^€f` «=Ú

qã"Î\$` « J~°úOÖ• q` «ÎO JO>Ë L` «ÊuÎ HÍ~°HõÖïáêÅ# x~°“Ç İOK«_@
=°Ü« Å ÖÊ^€ œÑ"ã" Î « =°Ü« Å , =, Å^è-# =ã" Î=ÙÅ# H # QÀÅ KÕÜ«_@
"å°áê~° ã"Oã"÷ ÖÊ^€ á¶ê°Hõis ÖÊ^€ =~ü-ëêÑ `õ "Õ` «<åÅ ÖÊ^€ r`åÅ K
KÕÜ«_@xH x^è- Å HÍ"åe. D x^è- Å# ÖÊ^€ q`åÎx" JOkOKÕ ã"Oã"÷Å q`

D áê~î°O #O^_ g ~° q` «Î J=HÍâßÅ , J=â °Hõ` «Å# =ÚY°OQÍ q` «Î ã"
` Å ã" `õ Oï~° . J^Õ q^è-OQÍ q` «Î ã"Oã"÷Å JOkOKÕ qq^è- q` «Î= ~åæÅ#

31.2 ÅH Í°Å

D áê~îå°Oâ =Ú J^è-°Ü« #O KÕã # `«~° "à` « g ~° ` Å ã" H <Õ JOâßÅ

x q` «ÎO J~°úO = iÜ«Ú P=â °Hõ` «# q=iOK« @.

x ã"O'ê÷Ñ"~°" y# = iÜ«Ú ã"O'ê÷Ñ"~°O HÍx q` «Î= ~åæÅ# qÉèËkOK« @.

x Éèï~° «^Õâ OÖ• =°='êÜ« ~°OQÍxH QÆÅ ã"O'ê÷Ñ"~°" y# q` «Î= ~åæÅ#

x Éèï~° «^Õâ OÖ• áêiœâßq Hõ~°OQÍxH QÆÅ q` «Î= ~åæÅ# ` eÜ« K

x H x" œÑ" Ö°Hõ q` «Î ã"Oã"÷Å# q=iOK« @.

31.3 q` «ÎO - J~°úO

U^Õx XHõ J=ã"~åx" f~° ÛHÀ=_@xH œ^-"å°x" U~åÊ@ KÕÜ«_»"Õ q`
= #ã" Ö• ÑÑ@ ìHÀ"åe. Wk œÑ"uÑ¶"Öïx" (^è-~°#) Ptã" ÎOk. œ^-"å°x" á±
h=Ù XHõ L` «ÊuÎ HÍ~°HõÖïáêx" œáê~°OaèOz#Ñ"ÙÊ_» h`õ D x^è- Å
x^è- Å# = œ` «"Õ ã"= `õÄ~°ÛQÆÅ=Ù. q ye# "à\ x W` «~° = ~åæÅ # O_ç
œ^-"å°x" ã"= `õÄ~°Û_@<Õ" q`Î«ã"Ç" Ü« O ÖÊ^€ ÑÑ¶.<åxûOQ JOï~° .

31.4 q` «Îã"Ç" Ü« O - P=â °Hõ` «

= #O WO` «`õ =ÚO^_ ` Å ã" `õ #">@ j - =°='êÜ« ~°OQÆO, áêiœâßq H
œ^-=°=#~° Å J=ã"~°O LOk. z#" "å°áê~° ã"Oã"÷ `õÄ_@ q` «Î=#~° Å ÖÊ`õ

D q` «Î=#~° Å `«= '±O` «x^è- Å # O_ç QÍh ÖÊ^€ ~° }= ~åæÅ # O_ç Q

31.1 áê~îâ°Oâ œÑ"â "Å

œH Ok MĩmÅ# ã"iÜ ÿ # Ñ"ˆ€Å`À Ñ"ÓiOÑ"Ù=Ú

1. UˆÕx XHõ L`«ÊuÎ HÍ~°HõÖİáêx" œáê~°OaèOK«_®xH J=ã"~°" ÿ#
2. œˆ~"â°x" JOkOK«_®xH QÆÅ ã"Oã"÷Å# JOİ~°.
3. œˆ~"â°x" á†Oˆ~_®xH K eıOKÕ œÑ"uÑ"Öİx" JOİ~°.
4. ã"ˆÅÊHíeHõ Ñ"~°Ñ"u < ÅÅ HÍÅ°=kèx Hõeæ LO@ Ok

31.5 Ñ"~°Ñ"u = ~âæÅ

qqˆè– L`«ÊuÎ HÍ~°HõÖİáêx x~°“Ç"İ}ˆõ = #ˆõ Ñ"~°Ñ"u ZO`À J=ã"~°" ıãHõiOK«=Åã LO@ Ok. J~Ú`Õ Wq ZHõ_» ÅÉèí°= =Ú`â~Ú? J<Õ œÑ"â ıã"Ç İ`« Å , | }ˆ€`«Å , = Ç" [# Å , |Oˆè– =ÚÅ ÖEHõ H x" œÑ"ˆÕ°Hõ U* hÚ ãÑ"·<â<£û HÍ~ÀÊ ~+~# , Ü«xú)œ@ã"à=Ñ"İÖİC_Ú~ÅQÆ "â\ # Oz á†Oˆ~=K« Ű. D " Ú`«ÎO Ñ"~°Ñ"u J=HÍâßÅ# Ô~O_» œÑ"ˆè€# ~°HÍÅ QÍ :

- i) ã"O'ê÷Ñ"~°O HÍx Ñ"~°Ñ"u J=HÍâßÅ = iÜ«Ú
- ii) ã"O'ê÷Ñ"~°" ÿ# Ñ"~°Ñ"u J=HÍâßÅ .
- i) ã"O'ê÷Ñ"~°O HÍx Ñ"~°Ñ"u J=HÍâßÅ
=°ˆõ ÍÅ # O_ç á†OˆÕ Ñ"~°Ñ"u Lˆ€Ç"İ~°}ˆõ , | }ˆ€`«Å # O_ç , = Ç" [# Å , |Oˆè– =ÚÅ # O_ç á†OˆÕ Ñ"~°Ñ"ux ã"O'ê÷Ñ"~°O HÍx Ñ"~°Ñ"u J=HÍâßÅ QÍ
- ii) ã"O'ê÷Ñ"~°" ÿ# Ñ"~°Ñ"u J=HÍâßÅ
Ñ"~°Ñ"ux JOkOK«_®xH œÑ"ˆÕ°HõOQÍ U~âÊ@ KÕã # ã"Oã"÷Å Ç J=HÍâßÅ QÍ K áêî~° . Wq Ñ"~°Ñ"ux JOkOKÕ ÅHõ °O`À U~Ê_®~Ú. D ã"O D ã"O'ê÷Ñ"~°" ÿ# Ñ"~°Ñ"ux JOkOKÕ ã"Oã"÷Åˆõ Lˆ€Ç"İ~°}Å Üİ°Oˆõ Å , ã" ıãİò ãÑ"·<â<£û HÍ~ÀÊ ~+~<£, Jaè=\$kú Éİ°Oˆõ Å " Ú~ÅQÆ #”q.

31.2 áê~îâ°Oâ œÑ"â "Å

D œH Ok "â\ Ö•`«Ñ"C / XÑ"ÇÅ# QÆ îİOK«O_ç

- i) PiúHõ =°=ã"÷Ö• H x" HÍ~°HõÖİáêxˆõ = œ`«"Õ = #ˆõ Ñ"~°Ñ"u
- ii) |Oˆè– =ÚÅ , ıã"Ç İ`« Å , ~° }ˆ€`«Å " Ú~Ö .#q œÑ"ˆÕ°Hõ œˆ~
- iii) Ñ"~°Ñ"u J=HÍâßÅ# ã"O'ê÷Ñ"~°" ÿ# = iÜ«Ú ã"O'ê÷Ñ"~°O HÍx Ñ"~°
- iv) XHõ =°H Î ˆ~QÆæ~°# Oz Ñ"~°Ñ"ux á†Ok#@ı~Ú`Õ ˆ€xx ã"O'ê÷

31.6 =°='êÜ« Ñ"~°Ñ"uH ã"O'ê÷Ñ"~°" ÿ# = ~åæÅ

J. P=â °Hõ`«

=°='êÜ« Ñ"~°Ñ"uH Œáê~°OÉèíOÖ• ã"O'ê÷Ñ"~°" ÿ# Ñ"~°Ñ"u J=HÍÁ
Ñ"~°Ñ"u = ~åæÅÑ. Z<õ ¯=QÍ P^è€~°Ñ" _Õ"å~°. Wq ` O^~°QÍ ÁÉèí°= U
JkèHõ ^è~° LO@ Ok. Jq : " Ú^~°QÍ, | }^€ «Å JkèHõOQÍ =_ô¤ ~@ =ã
(Ô~. `«) " Ú` «ÍO ~° }İx" uiy K e;Oz#Ñ"Ê\ H©` «Ñ"ÜÊ_» iHÍ~° ¤Å# x~°"Ç İOz
" ã"Ñ"Óì` « HÍ~°HõÖİáêÅ =Å; Ô~. `« ZÑ"Ê\ H© ~° }İx" f~°ÛÖEHõáÈ`_å_» .

ã"O'ê÷Ñ"~°O HÍx Ñ"~°Ñ"uÖ• L#" D ^ÀÑ _ôx x"âiOK«_®xH =°='êÜ« ~
= ~åæÅ HõeÊON" |_®¤~Ú.

P. ã"O'ê÷Ñ"~°" ÿ# = ~åæÅ

ŒÑ"Éèí `«"O = iÜ«Ú Éèİ®)«Ô_~°"Éİ°O'ê÷Ñ"~°" ÿ# Ñ"~°Ñ"ux ŒEQÍ
HõeÊOK«_®xH ZO`À Hõ\$+ KÕâß~Ú. "å} [° Éİ°O<õ Å , ã"ÇİHÍ~°)ã"ON" Å
<åÉİ~ü¤ (<Õ+`#Öò Éİ°OH± Ñ"~ü JOeyHõÅÛ~ü JO_£ ~° ~°Öò _ =ÅÑ " O
D U[hûÅ QÆ iOz WÑ"ÜÊ_» = #O K«iÛ^€İO.

1. "å} [° Éİ°O<õ Å (Commercial Banks)

1969 Ö• "å} [° Éİ°O<õ Å *İf~_Hõ~°} `«~å`« =°='êÜ« ~°OQÍxH Ñ"~°Ñ"u
Éİ°O<õ Å áêŒ`« ÑÑiyOk. *İf~_Hõ~°}<õ Ñ"Ó~°"O D Éİ°O<õ Å =°='êÜ« ~°OQÍ
<å\ H H=ÅO 5200 ŒÉİOpÅ = Œ`«"Õ ŒEQÍg } ŒáêO`_åÅÖ• HõÅ=Ü. 199
ÑÑiyOk.

"å} [° Éİ°O<õ Å qq^è– HÍÖİÅ<õ Ñ"~°Ñ"ux JOk'êÎ~Ú. g\ Ö• Z<õ ¯= "å\İ ã
LO\İ~Ú. Ñ"ON"ÜÃã@ ;, Œ\İHõì~° ;, =°='êÜ« Ñ"x=Ú@ ;, Éİ=ÜÅ = iÜ«Ú
Jaè=\$kúH , <åQÆà §, Ñ"â =ÜÅ H # QÀÅ <õ = ^è~° HÍeHõ Ñ"~°Ñ"ux JO
Ñ"O^ Å ÑÑON"~HõO, `Õ< \©QÆÅ ÑÑON"~HõO, KÕÑ"Å K ~° =ÜÅ " Ú^~°
'œHõ~å°x" JOk'êÎ~Ú.

ŒEQÍg } ŒáêO`_åÅ<õ " ~° ÔQ.# ¿ã=Å# JOkOK«_®xH 1988= ã"OİİÖ
Ñ"~ä–HÍx" Œáê~°OaèOKå~Ú. D Ñ"~ä–HõO ŒEH O^ ŒÑ"u ŒEQÍg } ÖË^€ /
H x" ŒEQÍ= Å ã"=,Ç" x" ã"~HõiOKâe. D ¿ã"å ŒáêO`«OÖ• ŒÑ"u Éİ°O<õ ~°
J^Õ qqè–OQÍ Ô~. `« Å <õÄ_® D b_£ Éİ°O<õ # ã"OŒÑ"~k'êÎ~°.

2. ã"Ç"İHÍ~° ã"ON" Å

Éèİ~°`«^Õâ OÖ• ã"Ç"İHÍ~° L^~°= O Ô~O_» HÍ~°}İÅ =Å# =zÛOk. " Ú

HÍ~°HõÖlâêĀ<õ `«<õ ¯ = =_ôᳵ ~@j<õ Ñ~°Ñux JOkOK«_»O. Ô~O_»= H
 Ô~. `« # ~°H OK«_»O.

D ã"Ç"İHÍ~° ã"ONŲ" Ā =_» JOK Ā =°=ã"÷Ö• LO\i~Ú. ŒQÍg } 'ê÷~
 ã"ONŲ"PAcs)LO\i~Ú. D ã"ONŲ" Ā# 10 ÖĒ^€ JO`«HõO>Ē Z<õ ¯ = Ok, 'ê^è€
 Hõeã Œáê~°OaèOK«=K« Ū. ã"Éèí °x "â\i qĀ = KâÖİ ã""ĀÊOQÍ LO@ Ok. H
 nxÖ• ã"Éèí °Ā HÍ=K« Ū. Ô~O_»= 'ê÷~ÚÖ•(Ö)jxHÖĒ^ä-q Hõ ã"Ç"İHÍ~° Éİ°O<õ . İÖ
 ã"Ç"İHÍ~°O`À U~âÊ@ KÕ'êî~° . `«\$fÜ« 'ê÷~ÚÖ• ~âR ã"Ç"İHÍ~° Éİ°O<õ . İÖ
 nxx 'ê÷Ñ 'êî~° . Éèî~° « i\~° " Éİ°O<õ =ÚO^ QÍ x^è- Ā# ~âR ã"Ç"İHÍ~° Éİ°
 ã"Ç"İHÍ~° Éİ°O<õ Ā<õ • JHõ_»# Oz Œáê^ä-q Hõ ã"Ç"İHÍ~° ã"ONŲ" Ā<õ `«
 Ô~. `« Ā<õ Ñ~°Ñux JOk'êî~Ú.

3. Éèí q Jaè=\$kúÉİ°O<õ

=°='êÜ« ^€~° Ā<õ n~°fHíeHõ Ñ~°Ñu ã"Ç"İHÍ~âx" `«<õ ¯ = =_ôᳵ ~@j<õ
 " Ū^@QÍ D Éèí q Jaè=\$kú Éİ°O<õ Ā U~Ê_ᳵ~Ú. =°='êÜ« Pã" ĪĀ# `«#
 KÕÜ« _»O D Éèí q Jaè=\$kú Éİ°O<õ ŒÑ" ^è€#qkè.

D Éèí q Jaè=\$kú Éİ°O<õ Ā Ô~O_» JOK ĀÖ• LO\i~Ú. ĀÑ. ÉèİQÆOO
 ('ê^è€~°}OQÍ ~âŒëèixH XHõ\) LO@ Ok. kQÆ = ŒHõ= OÖ• Œáê^ä-q H

4. ŒáêOfÜ« ŒQÍg(Éİ°O<õ Ā

ŒáêOfÜ« ŒQÍg(Éİ°O<õ) 1975= ã"O= `«û~°OÖ• z#" ã"#HÍ~° Ô~. `« Ā<õ , =
 ŒQÍg } KÕu =\$ `« ĪĀ Ñ"x"â~°Ā<õ , z#" ã"Oã"÷Ā<õ | } 'œHõ~â°x" JOkOK« @
 ŒÑ" ^è€# L^Õlâ °O`À U~âÊ@ KÕ'êî~° . g\ ŒÑ" ^è€# Éİ^è-° « =°='êÜ« ~°
 J=ã"~°" ÿ# Œ^=° J=ã"~âĀ# ã"= <õĀ~°Ū_»O = iÜ«Ú W`«~° ŒQÍg } Jaè=
 =O\ q. ŒÑ"u ŒáêOfÜ« ŒQÍg } Éİ°O<õ XHõ İÖİj HOŒ^—OQÍ Ñ"xKÕã" Ī
 ŒQÍg } Éİ°O<õ Ā , 23 ~âŒëèiĀÖ• ^€^€Ñ"Ū 15,000 ŒÉİOpĀÖ• Ñ"xKÕã" Ī

5. <âÉİ~üᳵ (National Bank for Agricultural and Rural Development - NABARD)

1982= ã"O= `«û~°OÖ• ŒQÍg } ŒáêO`âĀÖ• =°='ê÷ Ñ"Ó~°"Hõ Ñ~°Ñ"
 |Ö•¿Ñ" «O KÕÜ« _ᳵxH <âÉİ~üᳵ U~Ê_çOk.

Wk ã""ĀÊHíeHõ, = ^è-°HíeHõ = iÜ«Ú n~°fHíeHõ ~° }ĪĀ# ~âR ã"Ç"İH
 Éİ°O<õ Ā<õ , i\~° "Éİ°O<õ QÆ iĪON"Ū á†Ok# W`«~° Œ^=°ã"Oã"÷Ā<õ JOk

H=ĀO =°='êÜ« ~°OQÍx H HÍHõ =°='êÜ« ã"O|Okè`« =\$`« ĪĀ<õ <õĀ
 HõeÊã" ĪOk. JO`ÕHÍHõ =°='êÜ« = iÜ«Ú ŒQÍg } Jaè=\$kúH ã"O|OkèOz#

QÆ ~° ÎOK« HÄ^y# JOãßÄ

- x =°='êÜ« ~°OQÆOÖ• Œáê^è-q HõOQÍ ã"O'ê÷Ñ"Ó~°"HõO HÍx
- x ã"O'ê÷Ñ"Ó~°"HõO HÍx Ñ"~°Ñ"uÖ• ^ÀÑ _ç Z'õ _=QÍ L#"O^ # Œ
- x "å} [° Éï°O'õ Ä , ŒáêOfÜ« ŒQÍg } Éï°O'õ Ä , Éèí q Jaè=\$kú É

31.3 áê~îâ°Oâ ŒÑ"â "Ä

ŒEH Ok MïmÄ# Ñ"ÓiON"Ù=Ú.

1. | }^€ «Ä # O_ç á±Ok# Ñ"~°Ñ"u D Ñ"~°Ñ"u = ~°æ=Ú.
2. "å} [°Éï°O'õ Ä# ã"O= «û~°OÖ• *IfÜ« O KÕâß~° .
3. ã""ÄÊHíeHõ ~° }ÏÄ<Õ HÍHõ "å} [°Éï°O'õ Ä ~° }ÏÄ# 'õÄ_
4. ŒáêOfÜ« ŒQÍg } Éï°O'õ Ä# ã"O= «û~°OÖ• 'ê÷Ñ OK
5. ã"Ç"ÏHÍ~° Ñ"~°Ñ"u ã"ON"Ä JOK Ä =°=ã÷# Hõeæ L<

31.7 áêiŒêßq Hõ Ñ"~°Ñ"u = ~°æÄ

J. P=â °Hõ`«

Ñ"iŒê = Ä'õ Ô~O_» ~°Hõ=ÚÖ .# Ñ"~°Ñ"u J=ã~°O. " Ú^~\ k Éèí =Ú
 " Ú^~ÄQÆ ã ÷~° =,Ä^è-# =ã" Î=ÚÄ H # QÄÄ xq `«ÎO• Ô~O_»=k, x~°"Ç"Ï
 H # QÄÄ , "Õ`«<åÄ , r`åÄ K e;ON"Ù = iÜ«Ú ~ÄÄ"ai Y~° ÛÄ# Z^~ ~ _# @ =C
 =,Ä^è-# =°Ü« x" Z^~ ~ _#_®xH ã""ÄÊ HíeHõ Ñ"~°Ñ"u J=ã~°= =Ú`« Ok.

=°='ê÷Ñ"õ _» ÖË^€ áêiŒêßq Hõ "Õ`«Î`«# '±O`« x^è- Ä`Ä ã"Oã÷#
 # Oz x^è- Ä# ¿ãHõiOK«QÆÄQÍe. JO`ÕQÍHõ, =°='êÜ« Ü«x@; HõO>Ë
 P=â °Hõ`« LO@ Ok.

áêiŒêßq Hõ ã"Oã÷Ä Ñ"@ì}ÏÄ'õ ã"g Ñ"OÖ• HOŒEnHõ\$`«" ÿ LO\Ï~Ú
 L`«ÊuÎ HOŒ^€Ä'õ J=ã~°" ÿ#O`« " Ú`«ÎOÖ• x^è- Ä# JOKOK«ÖË~° . HÍ
 áêiŒêßq Hõ q`«Î ã"Ç" Ü« OÖ• `«õ _= áêŒ`«# Hõeæ LO\Ï~Ú.

P. Ñ"~°Ñ"u = ~°æÄ

= #^Õâ OÖ• áêiŒêßq Hõ Ñ"~°Ñ"u =ÚY°= ~°æÄ :

1. Ñ"ajH± W+°Ø° ("ǎ\ǎ ÖË^€ _çÉ OK«~° j)

2. Ñ"ajH±

3. "ǎ} [° ÉĬ°O◊ Å # Oz ~° }ǎ .

4. áêiœâßq Hō ÉĬ°O◊

1. Ñ"ajH± W+°Ø° ("ǎ\ǎ ÖË^€ _çÉ OK«~° j)

XHō áêiœâßq Hō ã"Oã"÷ `«# ã"Oã"÷Ö• œ^-"ǎ°x" ÑÑ@ ì|_ç ÑÑ@ì= PÇ" "#O W=" _ »O. D PÇ" "# œÑ" Hō@# H x" K« @ìã"O|O^è-" ÿ# q^è€<ǎÅ< ã"O|Okè` « œÑ"Éèí` «" âßY # Oz J# = u á†Ok# `«~ǎ" « D œÑ" Hō@## q_ xÜ« = Å# áê\ OKâe.

D Ñ"ajH± W+°Ø° ^€"~ǎ ÑÑ@ ì|_ » Å# ã"g HōiOK«_®xH "ǎ\ǎ# ÖË^€ =ÚO^ QÍ<Ō x~°'~ÚOÑ"|_ » `« Ok. nxÖ• "ǎ\ǎ á†Ok# =°◊ ĨÅ ÖË^€ ã"Oã"÷/ Ñ"iQÆ} OÑ"|_ »`ǎ~° . D q^è-OQÍ XHō HōOÑÑh "ŌÅ ÖË^€ ÖHō Å "ǎ\ǎ^~ á†Ok#"ǎiH HōOÑÑh Ü« [= #°OÖ• ÖË^€ x~°"Ç"Ĭ}Ö• U q^è-" ÿ# ÉĬ^è-° « x~°'~ÚOz# " Ú`«ĬOÖ• =_ô⌘ K e|OÑ"|_ » `« Ok.

n~°fHíeHō Ñ"~°Ñ"uH J=ã"~ǎÅ# f~° ŪHÀ=_®xH áêiœâßq Hō HOO q_ » ^-Å KŌ'êĬ~Ú. Z=Ō~·<ǎ, =°◊ ĨÅ QÍh, ã"Oã"÷Å QÍh, ÉĬ°O◊ Å QÍh U ~Ú` _çÉ OK«~°j# H # QÀÅ KŌÜ« =K« Ū. JO^ =Åj<Ō g\ x Ñ"ajH± W+°Ø°Å .

ZO`«" Ú`«ĬOÖ• œÑ"[Å D Ñ"ajH± W+°Ø°ÅÖ• ÑÑ@ ì|_ » Å ÑÑ_ »`ǎ~° =,Å^è-# = Ō~\òÑÑ. œÑ"[Å ^-\$HōÊ^è€x" \| ì LO@ Ok. "ǎ°áê~° Ñ"iã ÷`« Pâß=Ç"ĬOQÍ ÖË#@j~Ú Ō, œÑ"[Å ÑÑ@ ì|_ » Å ÑÑ@ì_ »O PHíâßxH xK Ū =,Å^è-# = Ō~\ò JxtŪu =Å# áêiœâßq Hō ã"Oã"÷Å D Ñ"ajH± W+°Ø° ^€"~ǎ = iOk.

2. Ñ"ajH± (çáêĬ Deposits)

'ê^è€~°} œÑ"[Å# Oz | }ǎ á†O^_®xH D Ñ"~úu "ǎ_ »`ǎ~° . HōOÑÑ _çáêĬ@j# PÇ" "x'êĬ~° . D _çáêĬ@jÑÑ. ã ÷~°" Ú`«ĬOÖ• HōOÑÑhÅ =_ô⌘ ~@ x|O^è-#Å◊ Ö•|_ç =ÚO\Ĭ~Ú. nxH ã"O|OkèOz# xÜ« = Å# = #^Ōâ OÖ• ì|_ HōOÑÑhÅ `«Ñ"Êxã"iQÍ g\ x áê\ OK«=Åã LO@ Ok. ZO`«" Ú`«ĬOÖ• D = . ¿ãHōiã" ŌO^<Ōk, P HōOÑÑhÑÑ. œÑ"[Å◊ # " qâß"êx" \| ì LO@ Ok. 'ê^è€~° =_ô⌘ ~@j`À D = ~°æO^€"~ǎ x^è- Å# á†O^`ǎ~Ú. Hí~°}O PÜ« HōOÑÑ ã"#yej#Ñ"ŪÊ_ » œÑ"[Å _çáêĬ@j# W=" _®xH " #Hō_ » QÆ "Ō'êĬ~° . 'ê^ = ~°æO ^€"~ǎ x^è- Å ã"g Hō~°}◊ œÑ"Ü« `«"O KŌÜ« ~° . H=ÅO H x" ¿Ñ- Pœâ ~Ú'êĬ~Ú.

3. "å} [°Éİ°O<õ Å (Americal Banks)

"å} [°Éİ°O<õ Å áêiŒâßq Hõ Ü«_{„x@j<õ | }İÅ# JOK'êî~Ú. J~Ú`Õ ã~` f~° ŪHÀ=_@xH HÍ=Åã # x~å“Ç”İ} =, Å^è-<åx” = Œ`«"Õ JOK'êî~Ú. "å} [° Éİ° Ũ~°Ũ~ux JOkOK«=Ü. J^Ōq^è-ŌQÍ 'ê^è€~°}ŌQÍ "å\İÅ = iÜ«Ú _çÉ OK«~ HÍ\ ì "å\ x <õÄ_® H # QÀÅ KŌÜ« =Ü. "å\ ÅÑ· ÅÑ@ ì|_» Å #ëêîx” HõeyOKŌ J# x`«°O Œ^=-° J=ã~·åÅ LO\~Ú. HÍ\ ì "å} [°Éİ°O<õ Å n~°fHíeHõ Ũ~°Ũ~}

4. áêiŒâßq Hõ (Euro Bank)

ÅÑ·# = #O` Å ã~ <õ #” ^€x ŒÑ”HÍ~°O "å} [° Éİ°O<õ Å áêiŒâßq Hõ n~ HOŒnHõ\$`«O KŌÜ« =Ü. D Ō•@ # áêiŒâßq Hõ Éİ°O<õ Å ÉèísÍ KŌ'êî~Ú 'ê÷Ũ OKå~°.

áêiŒâßq Hõ n~°fHíeHõ Œ^=-° J=ã~·åÅ# f~°Ū_®xH D áêiŒâßq H KŌã Ok. HÍ\ ì g\ x "å} [°Éİ°O<õ Å<õ Ũ”Ō~°HÍÅ QÍ K Ũ”Ê=K« Ū. HÍ~°}O "å} Ũ~°Ũ~u = ~åæÅ ÅÑ·<Ō P^è€~°Ũ”_»`å~Ú.

D q^è-” ÿ# H x” ŒÑ” Ō°Hõ áêiŒâßq Hõ Œ^=-° ã~Ç” Ü« ã~Oã÷Å#

1. Éèİ~°« áêiŒâßq Hõ Jæ=\$kú Éİ°O<õ (
2. Éèİ~°« áêiŒâßq Hõ q`«Î ã~Oã÷ (
3. Éèİ~°« áêiŒâßq Hõ Ũ~·Ũ~ ÅÑ@ ì|_ç ã~Oã÷ (
4. Éèİ~°« áêiŒâßq Hõ Ũ~·Ũ~#óx~å,} ã~Oã÷ (
5. Ü«_{„x\ò Œ@ã ì PŨ~·Ũ~)WO_çÜ« (}
6. *İfÜ« z#” Ũ”iŒâ =Næ)Oã÷ (
7. ~åR q`«Îã~Ç” Ü« sŒs)Ê ~+”# j (
8. ~åR áêiŒâßq Hõ Jæ=\$kú ã~Oã÷Å (
9. ~åR áêiŒâßq Hõ ÅÑ@ ì|_ç ã~Oã÷Å (
10. ZQÆ = u - kQÆ =XUMÉİ°O<õ (

Wq H=ÅO H x” L^€Ç”İ~°}Å = Œ`«"Õ . WO HÍ Z<À” L<å”~Ú. D ã~O ã~Oã÷Å<õ Œ^=-°ã~Ç” Ü« O JOkOK«_»"Õ QÍHõ, 'êO HuHõ ã~Ç”İHÍ~°O, = =O\ ¿ã=Å <õÄ_® KŌ'êî~Ú.

(W) áêiŒâßq Hõ Éİ°O<õ Å .

1. áêiŒâßq Hõ Éİ°O<õ Å "å} [°Éİ°O<õ Å`À áÈe¿ãİ ŒH Ok ÉèË^€Å

2. D Éĭ°O<õ Å = ^è-°HíeHõ, n~°fHíeHõ Ñ~°Ñ~ux JOk'êĭ~Ú. J~Ú`Õ Ñ~°Ñ~ux = Œ`«"Õ JOk'êĭ~Ú.
3. D Éĭ°O<õ Å Œ^=°ã"Ç" Ü« "Õ HÍHõ, 'êO HuHõ ã"ÅÇ" Å# = iÜ«Ú: J~Ú`Õ "å} [° Éĭ°O<õ Å H=ÅO ~° }ĬÅ<Õ JOk'êĭ~Ú.

31.8 H x" ŒÑ~" Œ°Hõ Œ^=° ã"Oã"÷Å

ÃÑ~# = #O H x" =ÚY°" ÿ# ŒÑ~" Œ°Hõ Œ^=° ã"Oã"÷Å ĭÑ~°ĭ# WzÛ< ã"q=°OQÍ` Å ã" <õ O^EO.

1. Éèĭ~° « áêiŒâßq Hõ q`«Ĭ ã"Oã"÷

Éèĭ~° « ŒÑ~"Éèĭ`«"OKÕ 1948 = ã"O=`«û~°OÖ• JÑ~"Ê\ #er)õ J= Å Ö ã"Oã"÷# U~åÊ@ KÕã Ok. Wk Ñ~"iŒâ = Å<õ ã"ÅEHíeHõ, n~°fHíeHõ | } 'D ã"Oã"÷ ŒEH O^ ĭÑ~`#" =ÚY°" ÿ# =,» q^è- Å# x~°"Ç Ĭã" ÎOk:

1. ~° }ĬÅ# = iÜ«Ú J_®" # ûÅ# áêiŒâßq Hõ ã"Oã"÷Å<õ JOkOK«_çÉ OK«~°ĭ# H # QÀÅ KÕã" ÎOk.
2. áêiŒâßq Hõ ã"Oã"÷Å =,Å^è-# = Ô~\ò # O_ç ã"«HõiOz# ~° }ĬÅ<
3. áêiŒâßq Hõ ã"Oã"÷Å q_» ^-ÅKÕã # "åĬÅ , ÉĭO_» ĭ, 'èi<õ Å = KÕã" ÎOk. Wk L`åÊ^Hõ, " ÿxOQ , + Ñ ÊOQ Ñ~"iŒâ = Å<õ â H ÎL` Ñ~"iŒâ = Å<õ = ^è-° n~°fHíeHõ Ñ~°Ñ~ux JOkã" ÎOk.

U Ñ~"iŒâ = ÔH.## XHõ HÀ\ ~° áêÜ« Å QÆi+`i ~° }Ñ~°Ñ~ux, 25 ã"OI

2. Éèĭ~° « áêiŒâßq Hõ(Jaè=\$kú Éĭ°O<õ

Éèĭ~° « áêiŒâßq Hõ Jaè=\$kú Éĭ°O<õ 1964 = ã"O=`«û~°OÖ• J= Å Ö JOkOK« @Ö• ŒÑ~"ã" Î~°ÜÚŒâßq Hõ L`åÊ^Hõ " ÿxOQ , Œá†Ããã ~°"å}Ĭ Ñ~"iŒâ = Å<õ Ç"Ĭ~@Öò Ñ~"iŒâ = <õ J=ã"~°" ÿ# áêiŒâßq Hõ ã"Ç" Ü

Wk Œáê* <õ ĭ ~° }ĬÅ# , JO_»~ü Ö \ OQ û# , ŒÑ~"«°Hõ K eĭOÑ~"ÙÅ# ^€~å Ñ~"iŒâ = Å<õ ŒÑ~"«°Hõ ã"Ç"ĬHĭ~åx" JOkã" ÎOk.

W`«~° ã"Oã"÷Å JOkOz# áêiŒâßq Hõ ã"= HÍb# ~° }ĬÅ# s ÃÑ~¶.<å<£

3. Éèĭ~° « áêiŒâßq Hõ Ñ~"«Œ~iũ ÃÑ@ ĭ_ç ã"Oã"÷

[#=i 1955 Œ~ICI 'ê÷Ñ OKå~° . ŒÑ~"Õlò ~°OQÆOÖ• z#" = iÜ«Ú = ^è KÕçã L^Õlâ °O`À Œá†ÖHõOQ H`«Ĭ Ñ~"iŒâ = Å 'ê÷Ñ~"## ŒáÈ`«ûÇ Ĭ Ñ~"iŒâ = Å qã"Ĭ~°} <õ = iÜ«Ú J^è- xH©Hõ~°} <õ ã"Ç"ĬHõĩã" ÎOk. JO`ÕHÍHõ W Ñ~°Ñ~ux ÿ# ã"ÅÇ" Å# JOkOK«@O. D ã"Oã"÷ ŒEH Ok"à\ x HĬ~Úã" ÎOk.

1. n~°fHíeHõ ÖË^€ = ^è-°HíeHõ Ñ~°Ñ~u HõÅÊ#.

2. W «~° ŒÃÑ."Õ@ = ~åæÅ ~° }İÄ'õ Ç" g W="@O.

3. DH "\© =,Å^è-#OÖ• áêÖÁæ# @ = iÜ«Ú H `«Î"àİÄ , _çÉ OK«~°j*

ICICI ŒÑ~"ã" Î âxH ħÑÑ~° L`«ÊuÎ, ÔHq HõÖòû = O^— Å , ZÅŒEH ħ
=Ú_çYx[O, ã" #Ñ~"Û~å~Ú, ã" O\ò = iÜ«Ú QÍjã L`àÊ^—Hõ ÑiŒÊâ = Å'õ ã
ŒÑ~"Éèí`«~° OQÆO, ŒÃÑ."Õ\ò ~° OQÆO, *İ~ÚO\ò ~° OQÆO ã"Ç"İHÍ~°
J~Ú`Õ Z'õ = ŒÑ~"uÑŒ"Öİx" á†OkOk = Œ`«O ŒÃÑ."Õ\ò ~° OQÆ"Õ .

4. Éèİ~° « z#" Ñ~iŒÊâ = Å (Jaè=\$kú Éİ°O'õ

D z#" Ñ~iŒÊâ = Å Jaè=\$kú Éİ°O'õ 1990 = ã"O=ĐBŒŒÖÖ^èÑ~xŒQã
IDBI '†O`« Éİ°O'õ .

Éèİ~° «^Õâ OÖ•x z#" Ñ~iŒÊâ = Åx"O\ Jaè=\$kúH J=ã"~°" ÿ# Œ^—=° ã
Wk ^Õâ OÖ• qq^è- ŒÑ~"^ÕâßÅÖ• < ÅH x L#" z#" Ü«,x@j'õ PiúHõ ã"Ç"İH

5. ZQÆ = u - kQÆ (EXIMBANK

^Õâ OÖ• ZQÆ = `« Å# qã"İiOK«_®xH 1982 Ö• D ZH û"£ Éİ°O'õ #
ÅHõ °O, ZQÆ = u ^€~° Å ã"= ã"°Å# f~° Ū@, =,Å^è-# =ã" Î=ÚÅ ZQÆ = uÃ
ŒÑ~"Õ°Hõ ŒÊâ ^—ú =Ç İOK« @.

6. Ü«,x\ò Œ@ã ħ PÑŒ) WO_çÜ«

i[~° " Éİ°O'õ ã"OHõÅÊOÖ• 1964 = ã"O= `«û~° OÖ• ã"xûUâÅÖQ50KÕâŒ
âß`«=Ú, q ye# 50 âß`«=Ú, ã"ÖÉİ°OH± PÑŒ WO_çÜ« , WCK,†CİA+ » °Öòx
Å HõeyL<â"~Ú.

qq^è-Ñ~^ä-HÍÅ ^€"~å z#" Ü«,x@j# ŒÑ~"[Å'õ J=, _»O ^€"~å Wk Œ^—=
D Ü«,x@jÅ# J=, _»O=Å# ŒÑ~"[ÅÖ• á†^— Ñ~"Û KÕÜ« Å<Õ Pã"H ÎÃÑ~° QÆ
D ŒÊâÈ`âûÇ İHõ HÍ~°HİÖÑ~"ŒÉ QÍHõ° j = iÜ«Ú ħ+~°j #" ^ <õ JO_»~ü

QÆ ~° İOK« HÅ^—y# JOâßÅ

x áêiŒÊâßq Hõ Ñ~°Ñ~uH =ÚY°= ~åæÅ : ħ+~° j = iÜ«Ú _çÉ OK«~
~° }İÄ , 'ê^è€~°} ŒÑ~"[Å # O_ç _çáêl@ j ã"«HõiOK«@O.

x áêiŒÊâßq Hõ Éİ°O'õ Å Ñ~°Ñ~ux JOkOK«_»"Õ QÍHõ, Ñ~iŒÊâ = Å
ŒÑ~"Õ°Hõ ã"Oã"÷Å .

x H x" =ÚY°" ÿ# áêiŒÊâßqHõÉİ°O'õÅ
" Ú^—Ö .#q.

31.4 áê~îâ°Oâ œÑ"â "Å

D œH Ok "â\ Ö•` «Ñ"C / XÑ"CA# QÆ îOK«O_ç

- i) "â} [° Éĭ°O<õ Å_{TH}œ^è€~°} œÑ"[Å # O_ç _çáêl@ ĭ ã•"Hõĩã" ÎOk.
- ii) IFCl = ^è-°HíeHõ, n~°fHíeHõ ~° }İÅ# JOkã" ÎOk.
- iii) áêiœâßq Hõ Éĭ°O<õ Å œHõ=œÖ•âĕŨ^KQáß~°.
- iv) Éèĭ~° « œÑ"Éèĭ~° "xãœÑ"ÅÆD-À.

31.9 Éèiq+~° ũLΛÕlà°O (Future Perspective)

PiúHõ =°=ã"÷ Jaè=\$kú K O^Õ H Ån, =°='êÜ« áêiœâßq Hõ ĭã"â J=J=ã"~âÅ ÑÑ~° QÆ `â~Ú. HÍ\ ĭ =°='ê÷Ñ"~°" ŷ# Ñ"~°Ñ"u J=HíâßÅ <õÄ_® / |Ö•ĭ Ñ" «O KÕã ÑÑOK«_»"Õ HÍHõ, H `«Ĭ ã"Oã"÷Å# <õÄ_® œáê~°OaèOk ^Õâ PiúHõ =°=ã"÷ =\$kúH J`â°=â °Hõ=Ú.

áê~îâ°O` «~° œÑ"â "Å

1. q`«Ĭã"Ç" Ü« O J#QÍ<Õq ? q`«Ĭ ã"Ç" Ü« O P=â °Hõ`« Uq \ ?
2. HÍÖĭx" \ ĭ q`«Ĭ ã"Ç" Ü« P=â °Hõ`«# q=iONÑ"Ù=Ú. D ã"O^~°†ùOÖ•œ^ qÉèËkONÑ"Ù=Ú?
3. ã"O'ê÷Ñ"~°" ŷ# = iÜ«Ú ã"O'ê÷Ñ"~°OHÍx Ñ"~°Ñ"u = ~âæÅ# qÉèËkO
4. =°='êÜ« ~°OQÍxH ã"O'ê÷Ñ"~°" ŷ# Ñ"~°Ñ"u ` Å Ê=Ú. g\ Ö• U^ .<â XH
5. Éèĭ~° «^Õâ OÖ• áêiœâßq Hõ Ñ"~°Ñ"u P=â °Hõ`«# ` Å Ê=Ú?
6. áêiœâßq Hõ Ñ"~°Ñ"u = ~°æOQÍ Ñ"aĭH± W+~°Ø°x QÆ iÛ XHõ ã"g Hõ
7. Éèĭ~° «^Õâ OÖ• =ÚY°" ŷ# áêiœâßq Hõ Ñ"~°Ñ"u = ~âæÅ Uq \ ? g\ <õÄÅO<õ+~°OQÍ q=iONÑ"Ù=Ú?
8. áêiœâßq Hõ Éĭ°O<õ Å U q^è-OQÍ "â} [° Éĭ°O<õ Å`À qÉèËk'êĬ~Ú?
9. Ñ"iœâ = Å<õ œ^=°ã"Ç" Ü« x" JOkOKÕ U^ .x S^ œ^=° ã"Oã"÷Å ĭ QÆ iOz <õ ĭÑ"ÎOQÍ K«iÛONÑ"Ù=Ú?

ã"= ^è€#=ÚÅ

áê~îâ°Oâ œÑ"â "Å 31.1

1. q`«Ĭ=Ú 2. q`«Ĭ ã"Oã"÷Å 3. =_ô¤ ~@ 4. 15 < ÅÅ

áê~îâ°Oâ œÑ"â "Å 31.2

1. `«Ñ"C 2. `«Ñ"C 3. XÑ"C 4. XÑ"C.

áê~îâ°Oâ œÑ"â "Å 31.3

1. =°='ê÷Ñ"Ó~°"HõO Híx 2. 1969 3. =^è—°HíeHõ 4. 1975 5. =, _

áê~îâ°Oâ œÑ"â "Å 31.4

1. XÑ"C 2. `«Ñ"C 3. XÑ"C 4. `«Ñ"C

áê~îâ°O` «~° œÑ"â "Å

1. 31.3 = iÜ«Ú 31.4 K« _» =Ú.
2. 31.4 (J) = iÜ«Ú (P) Å K« _» =Ú.
3. 31.5 K« _» =Ú.
4. 31.6 K« _» =Ú.
5. 31.7 (Z) K« _» =Ú.
6. 31.7 (a) K« _» =Ú.
7. 31.7 (a) K« _» =Ú.
8. 31.7 (ã) K« _» =Ú.
9. 31.8 K« _» =Ú.

32. 'êOÑ¶ Hõ J='ê÷Ñ"# QÆ\$Ç"İ P~ÀQÆ° = iÜ«Ú q^€° 'œ

(Social Infrastructure - Housing, Health and Education)

32.1 LáÈ^€f` «=Ú

XHõ ^Õâ OÖ•x = #=ÚÅ P^ÕâßxH Ju =ÚY°" ÿ# =#~° . nxx = # = #~°
œÑ"[Å q^€°=O` « Ö . , < .Ñ"Ü}İ°Å# = iÜ«Ú P~ÀQÍ°Å# Hõey L#" @j~Ú`Õ
PiúHíaè=\$kúH áê@ Ñ" _ »`á~° . œÑ"Éèí`á"Å KÕ¿ã Jx" Jaè=\$kú œÑ"Ü«
œÑ"= }'ê÷~Úx, r=# <â}°` «# ÑÑOá†OkOK«_@x H! =ÚY°OQÍ Jaè=\$kú K O^
<â}°` «# , q^~° , " .^~° ã"~ áêÜ« Å# = iÜ«Ú W` «~° 'œHõ~â°Ö .# QÆ\$Ç"İ
^€"~â ÑÑOá†OkOK«=K« Ú. D áê~î°OÖ• = #O qq^è— JOâßÖ .# QÆ\$Ç"İC
r=# <â}°` «# ZÖİ ÑÑOá†Ok'êÜ q=i^€İO.

32.2 ÅH Í°Å

- D áê~îâ°Oâ O J^è—Ü« #O KÕã #`«~â"« g ~° ` Å ã" 'õ <Õq.
- x 'êOÑ¶ Hõ J='ê÷Ñ"# J~°úO` Å ã" HÀ=_»O
 - x QÆ\$Ç"İ =ã"u P=â °Hõ` «# , œáê^è€#°` «# J~°úOKÕã" HÀ=_»O
 - x Éèİ~°` «^Õâ OÖ•x QÆ\$Ç"İ HõÅÊ<â Ñ" ^ä—HÍÅ# K«iÜOK«_»O
 - x Éèİ~°` «^Õâ OÖ• QÆ\$Ç"İ =ã"u HõÅÊ#Ö• ã"= ã"°Å'õ " # Hõ QÆÅ HÍ-
 - x œÑ"ã" Î «O Éèİ~°` «^Õâ OÖ• L#" P~ÀQÆ° ã"~ áêÜ« Å# ` Å ã" HÀ=_
 - x Éèİ~°` «^Õâ OÖ• r=# œÑ"= }'ê÷~Ú áÈHõ_»Å ` eÜ« KÕÜ« _»O
 - x œQÍg } œáêO` áÅÖ•x " .^~° ã"~ áêÜ« Å qÑ"ÜbHõiOK«_»O
 - x q^~° œáê^è€#°` «# ` Å ã" HÀ=_»O
 - x Éèİ~°` «^Õâ OÖ•x =~°Î= # q^~° Ñ"iã ÷` « ÅÑÑ. ^-\$+ ì HOœnHõiOK«_
 - x Éèİ~°` «^Õâ OÖ• q^€° =°=ã"÷Ö• Ö•áêÅ ` ÅyOK«_@xH fã" 'õ #" K«~

32.3 'êOÑ¶ Hõ J='ê÷Ñ"#

^Õâ O Ü ÚHõ` L`áÊ^—Hõ`á <â}°` «# ÑÑOK«_@xH PiúHõ J='ê÷Ñ"# '
= # = #~° Å <â}°` «# ÑÑOá†OkOKÕ J='ê÷Ñ"# 'õÄ_@ JO`Õ J=ã"~°O. = i

ã"~ áêÜ« Å , áêîâ ~ú°, QÆ\$Ç"İ =ã"u, ~°H `« = Ozh~° " Ú~Ö .# =h" D `«
 =°=ã"÷Ü ÚHõ~ 'êOÑ¶ Hõ J = 'ê÷Ñ" <ã 'œHõ~ã°Å JO\İ~°. Wk PiúHõ =°=
 ÑÑOá±OkOÑ"KÕÜ« _@xH ^ÀÇ"İ~Ñ"ã~Ú.

32.4QÆ\$Ç"İ =ã"u

WÅ j =ã"ux HõeÊã" İOk. 'œHõ~°=O`«" ÿ#, =uÎ_» Å ÖËx r=#O HÀã
 TÇ İOK« ~À[O`ã Hõ+"iÑ" _ç 'êÜ« OOE`«O qOEâßOu fã" HÀ=_@xH XHõ =ã"
 W|†Ok = Ü« O J=Ü`« Ok. WÅ j JO>Ë <ãÅ QÆ QÀ_»Å , XHõ ÑÑ·HõÑ"ÜÊ =
 'œHõ~°=O`«OQÍ# , QÍe " Å `« ~°`À# LO_@e. hõ WÅ j ã" ~°~°t , "ã# , "Ç
 HõeÊã" İOk. Wk XHõ =°H ÎH ã ÷~°`ã"x" Wã" İOk. Wk XHõ =#=Ü_» <õ @
 r=<ãx" QÆ_»Ñ"İxH OEçÑ ~Ñ ã" İOk. Wk XHõ=°H Î = #ã Hõ OEÑ"âßO`«`«
 ÑÑOK«`« Ok. J~Ú`Õ =ÚiH "ã_»Å r=#OÖ• <ã}°« , `«QÆ ã"~ áêÜ« ÅÖ• L
 LO@ Ok. XHõ=°H Î x=tOKÕ =ã"u J# =ÜQÍ ÖË#@j~Ú`Õ J`«x Éè uHõ 'ê= ~

D = ^è~°HÍÅOÖ•`«= L^À°QÆ Åõ = Oz =ã"u HõeÊOKÕ OEáê^è€#°`«
 nx OEáê^è€#°`«# QÆ îİOz# OEÑ"Éèí`«"O <õÄ_@ J<ÕHõ= Ok OEÑ"Éèí`À
 OEÑ"Éèí`ã"Å nx xq`«İO QÆ\$Ç"İ ã"=Ú^€Ü« Å xi,ã" Î<ã"~Ú. OEÑÑ."Õ@ ~°C
 HõeÊã" Î<ã"~°. J<ÕHõ OEÑÑ."Õ@ Ñ"iOEâ = Å D OEÑ"Ü«`«"OÖ•<Õ L<ã"

= Ozh~° , áêîâ ~ú°O , =Ú~° QÆ h\ áê~° ~Ö ã"~ áêÜ« Å , q~°K«
 <õÄ_@ = Oz QÆ\$Ç"İ =ã"uÖ• JO`«~ã†ùQÍÅ . `«QÆ ~°"ã}İ ã"~ áêÜ« Å ÖË
 = Ô~\ò ÖËx OEáêO`ãÅÖ• x=ã OK«_»O ZO`ÀHõ+"iO. QÆ\$Ç"İ =ã"u <ã}°`«
 OEÑ"«°Hõ ã"O|O^è~O LOk.

OEáê^ä~q HõOQÍ J<ÕHõ = Ok QÆ\$Ç"İ x~ã"Ç"İõ Åõ QÆ\$Ç"İ =ã"u X
 [<ãÉèİ ÑÑ~° QÆ ~Å JkèHõOQÍ LO_»@O =Å# çÑ~ =~ãæÅ OEÑ"[Åõ Q
 =Åj OEÑ"Éèí`ã"Å çÑ~ OEÑ"[Åõ QÆ\$Ç"İ =ã"ux JOkOKãeû# P=ã °Hõ`« =

= #^Õâ OÖ• QÆ\$Ç"İ x~ã,} HÍ~°OEHõ= Å ~° Ñ"HõÅÊ# , J= Å ~ãOE+
 OEÑ"Éèí`«"O HÍ~°OEHõ= Åõ H O`« ã"Ç" Ü« x" JOkã" İOk.

Z) OEQÍg } QÆ\$Ç"İ x~ã,} Ñ"^ä~HÍÅ

OEQÍg } OEáêO`ãÅÖ• QÆ\$Ç"İ =ã"u ã"= ã"°# f~°Û_@xH OEÑ"Éèí`«"
 OEQÍg } OEáêO`ãÅÖ•x |ÀÇ•İ# =~ãæÅõ , Éèí q ÖËx Ñ"x"ã~°Åõ Hõhã" J
 Ñ"İİÅ# WzÛ , QÆ\$Ç"İx~ã,}İxH ã"Ç"İHÍ~°O JOkOzOk. D Ñ"^ä~HõO 1971 =

WOk~ã P"ãã (ÜY) 1985-86 Ö• OEQÍg } OEáêO`ãÅÖ•x Ñ+_» °Öòx <õ

` QÆÅ<õ K Ok# x~° ¿Ñ^—Å<õ " \ì KåH sKÕ¿ã OEâßq <õ Å xq `«ÎO OEÑ'''
ã"=,Ç" Å QÍ xi,Oz, OEÑ"u ã"=,Ç" xH J=ã"~°" ý# 'œHõ~å°Å HõeÊOKå~° .

Ç"İ ã OQ JO_£ J~°†<£ _ =ÅÑUDCO)œqíe—ÊOEQÍg} QÆ\$Ç"İ x~å,} Ñ"~
OE^—=° ã"Ç" Ü« O JOkOK«_®xH , ^€x " Ú«ÎO x^è— ÅÖ• 15 âß`«O PÜ« Ñ

a) Ñ"@ì} QÆ\$Ç"İx~å,} Ñ"~^ä—HÍÅ

Ñ"@ì} OEáêO`åÅÖ• OEÑ"Éèí `«"O OEÑ"'Õâ ÃÑ\ ì# QÆ\$Ç"İx~å,} Ñ"~^ä—

i) HUDCO, LIC = iÜ«Ú W`«~° OE^—=° ã"Oã÷Å | }=ÚÅ`À, ~åOE+`ì = iÜ«Ú #
ã"Ç" Ü« O `À qq^è— P^€Ü« =~åæÅ "àiH 'êON¶ Hõ QÆ\$Ç"İ x~å,} Ñ"~^ä—

ii) 1989 = ã"O= `«û~°=ÚÖ• XHõ ÅHõ # O_ç 20 ÅHõ Å =~°<õ [<åÉèİ C
Ü [<åNRY) Ö• ÉèİQÆEQÍ QÆ\$Ç"İ x~å,} = iÜ«Ú =ã"uã"~å—áêÜ«è=\$kú Ñ
Upgradation Scheme) OEáê~°OaèOKå~° .

iii) HíeÉİ@ÅÑÑ• x=tOKÕ "àiH (F&OPat=ã"uã"~å—HÍÖ• #)
1988-89 = ã"O= `«û~°OÖ• "àiH =ã"u HõeÊOKÕ xq `«ÎO OEáê~°OaèOKå~° .
Ñ"Hõ~ x=ã OKÕ "àiH <õÄ_® qã"İiOKå~° .

iv) LIC, HUDCO, "å} *° Éİ°O<õ Å PiúHõ ã"Ç"İHÍ~°O`À ã"Ç"İHÍ~° QÆ\$Ç"İä"=
=~åæÅ "àiH JOkOKå^— .

v) qq^è— W`«~° Ñ"~^ä—HÍÖ .# HOOE^— OEÑ"Éèí`«"~°OQÆ ã"Oã÷Å QÆ\$Ç"İ
Scheme)Ñ"@ì} =ÚiH "å_»Å Ñ"~å°=~°} Jaè=\$kú = (iÜ«ÚWà\$~°+QÆ Ñ"~^ä—
ment of Urban Slums and House Improvement Scheme) OEÑ"Éèí `«"~°OQÆ ã"Oã÷ÅÖ• Ñ
xq `«ÎO J^ì Wà\$Ñ"~å—HÍÖ)Ú^—Ö .# "à\ x qq^è— ~åOE+`ì OEÑ"Éèí `å/

ã) QÆ\$Ç"İ=ã"u ã"= ã"°Å<õ HÍ~°}İÅ

ÃÑ.# ¿Ñ~`#" qq^è— Ñ"~^ä—HÍÅ# OEÑ"'Õâ ÃÑ\ ì#Ñ"Ê\ H©, QÆ\$Ç"İ=ã
HÍ~°}İÅ

i) [<åÉèİ ÃÑ~° QÆ ^—Å

^Õâ OÖ• [<åÉèİ QÆ}}©Ü« OQÍ ÃÑ~° QÆ `« Ok. nx=Å; QÆ\$Ç" Å _ç

ii) Ñ"@ì}© Hõ~°}

OEQÍg } OEáêO`åÅ # O_ç OEÑ"[Å Ñ"@ì} OEáêO`åÅ<õ `«~°Å_»O =Å;
ÃÑiyOk.

iii) =#~° Å H ~° «

œÑ"[ÅO^iH© QÆ\$Ç" Å HõÅÊ# J=ã"~åÅ# f~°Û_®xH œÑ"Éèí`«"O
Ñ¶"e`«OQÍ=ÚiH "å_»Å ÅÑ~° QÆ`« <å"~Ú.

QÆ ~° İOK« HÅ^y# JOâßÅ

- x QÆ\$Ç"İ =ã"u, P~ÀQÆ°, q^°, áêîâ ^ú°O, ~°H `« = Ozh~° ÅÉèí`«
J='ê÷Ñ"# JOİ~° .
- x 'œHõ~°° =O`«" ÿ# = iÜ«Ú =uÎ_ç ~°Ç İ`« r=#O 'êyOKåÅO>Ë`«C
J=ã"~°O.
- x H=ÅO Éè uHõ r=# œÑ"^Õâßx" = œ`«"Õ QÆ\$Ç"İ =ã"uQÍ ħÑ~
ã"~ áêÜ« Ö .# œ`åQÆ h~°, áêîâ ^ú°O, =Ú~° QÆ h\ áê~° ^Å,
<õÄ_® J=ã"~°O.
- x œQÍg } œáêO`åÅÖ• QÆ\$Ç"İ =ã"u HõÅÊ#<õ œÑ"Éèí`«"O Z<À" C
- x Ñ"@ì} œáêO`åÅ QÆ\$Ç"İ =ã"u HõÅÊ#<õ L^ÕİtOz <õÄ_® Z<À"
ÅÑ\ İOk œÑ"Éèí`«"O.

32.1 áê~îå°Oâ œÑ"â "Å

D œH Ok "å\ Ö•`«Ñ"C / XÑ"CÅ# QÆ İİOK«O_ç.

- (i) ~°"å}İ,Hõ=,°x H+"# ħ, â H Î, h~° XHõ PiúHõ =°=ã"÷Ö• 'êOÑ¶ Hõ J='ê÷
(ii) r=# <å}° «# ÅÑOá†OkOKåÅO>Ë q^°, P~ÀQÆ°, QÆ\$Ç"İ, œ`åQÆ h\
(iii) ã"= [OÖ•x |ÅÇ•İ# =~åæÅ<õ QÆ\$Ç"İ =ã"u HõeÊOKÕO^ <õ WOk~å
(iv) Ç"İ ã OQ = iÜ«Ú Å+Ài~ü JÑ œ Q_Õ+"<£ Ñ"^ä–Híx" 50 ÅHõ Å Hõ<å'
HÅã"O œÑ""Õâ ÅÑİ~° .

30.5P~ÀQÆ°O

P~ÀQÆ°O-P=â °Hõ`«

'P~ÀQÆ°"Õ = Ç" ÉèİQÆ°O,, J<Õk áê`«<å# _ç XHõ =°H Î P~ÀQÆ° P
âßs~°Hõ = iÜ«Ú = #ã Hõ œâš+"İ`«# ã" zã" İOk. = Oz P~ÀQÆ°O ÖË<õ C
J# ÉèíqOK«ÖËO. JO`ÕQÍHõ = Oz P~ÀQÆ°O ÖË<õ O_® r=#O 'êÑ¶•QÍ 'êQ
'ê^è€~°}OQÍ = Oz P~ÀQÆ°O L#" [çÉèİ ã"OÑ¶" OÖ• L#"Ñ"ÙÊ_ » J`
^€ifã" İOk. = Oz P~ÀQÍ°xH PiúHíàè=\$kúH = ^è~° œÑ" «°Hõ ã"O|O^è–O

'ê“ «Oœ` «° ã”= Ü« OÖ• Ñ”iã ÷u

'ê“ «Oœ` â°xH Ñ”Ó~°“O` «QÆ " .Λ° P~ÀQÆ°ã”Λ áêÜ« Å ÖËHóáË.
KâÖÏ JkèHõOQÍ LO_Ök. JÑ”ÜÊ_» Éèĭ~° «^Õâ OÖ• P~ÀQÆ° Ñ”iã ÷u Pâ
UO@O>Ë Éèĭ~° «^Õâ O JO@ "â°^è– Å , zÔH<£ á¶êH±û, HõÅ~â, = ÖËiÜ« ,
HOœ^~OQÍ LO_Ök. nxH `«‹õ¯ = r=# <â}° «, `«‹õ¯ = P~ÀQÆ° ã”Λ áêÜ
`À_»Ü« °~Ú. 1951Ö• tâ = ~°}ĬÅ ~@ " ~Ú°H 219 QÍ# , ã”QÆ@ r=# œÑ”
LO_Ök.

œÑ”ã” ÷` « Ñ”iã ÷u

œÑ”}ĬoHÍ Ü«Ú` «" ŷ# Jaè=\$kú P~ÀQÆ° ã”Λ áêÜ« Å# QÆ}hÜ« OQ
ã”Ç” Ü« O`À q=iOÑ”=K« Ũ.

i) ^Õâ OÖ• " .Λ °Å, Pã”Êœ` « Å ã”OY° =, _» Hõ<â” Z‹õ¯ = Ô~@ ĭ, #~°
ii) " .Λ° q^€°ÅÜ« Å ã”OY° " ÚΛ\ œÑ”}ĬoHõ œáê~°OÉèĭxH Ñ”Ó~°“O 2
iii) = ã” z Ñ”ÓĬQÍ JiHõ@ĭ_çOk. UœÑ Öò1977 Ö• = #^Õâ O = ã” z ~°Ç
iv) " .Λ° P~ÀQÆ° ã”Λ áêÜ« Å ÅÉèĭ° «Ö•x QÆ}}©Ü« " ŷ# ÑÑ~° QÆ
27.4 QÍ L#” = ~°}ĬÅ ~@ 1992-93 <â\ H 60.8 ã”O= `«û~âÅ QÍ LOk.

v) ã”~âã”i rq` « œÑ”= }O ‹õÄ_® ÑÑiyOk. 1981 Ö• Wk 54 ã”O= `«û~âÅ ,
60.8 ã”O= `«û~âÅ QÍ LOk.

vi) ã”OÑ¶” OÖ• œã•ĬÅ Ñ”@ĭ Λ\$HõÊ^è€ÅÖ• = ~° ÊÅ =KâŨ~Ú. = Ç Ĭà
=Åĭ ^Õâ OÖ• "âiÖ• ã”~âã”i rq` « =Ü« ã” û Ñ”Ü~° +”µÅ Hõ<â” Z‹õ¯ =QÍ LOk

Éèĭ~° «^Õâ OÖ• ã”QÆ@ r=# ~@

^Õâ OÖ• ã”QÆ@ r=# œÑ”= }O J` «°ÅÊOQÍ LO_»_®xH ĭÑ~iHõO =
HõÅ~â, W# †O*Ĭ ÖË^€ = ã” z " ÚΛ~ÅQÆ "â\ x JiHõ@ĭ_®xH L` «Ĭ= = O^~
= O^~ Å " ÚΛ~Ö .#=h” ~ÀQÍÅ x"â~°}‹õ ^ÀÇ”ĬΛ Ñ”_®~Ú. J~Ú#Ñ”Ê\ H© O
= #^Õâ OÖ• r=# œÑ”= }O Pâß[#HõOQÍ ÖË^.

Ñ”\ ĭHõ 32.1 Éèĭ~° «^Õâ OÖ• ã”~âã”i rq` « =Ü« ã” û

HÍÅ=Ú	Ñ”Ü~° +”µÅ	œã•ĬÅ	" Ú` «ĬO
1950-51	32.4	31.7	32.1
1970-71	46.4	44.7	45.6
1990-91	58.6	59.0	58.7

ã"~åã"i rq` « =Ü« ã" û ÃÑOK«_®xH ^Õâ OÖ• fã" H #" K«~°Å

œÑ"Éèi` « "O fã" H #" œH Ok=ÚY° HÍ~°œHõ= Å =Å_i = #^Õâ OÖ• ã"

i) = ã" z, = ÖËiÜ« , Hõ Ü« , <õ + "µì, JO^è-` « "O " Ú^~ÅQÆ "å\ x"å
œÑ"Õâ ÃÑ\ ìOk.

ii) _èçÑ•îiÜ« , HÀiO` « ^~QÆ æ, áÈeÜ =O\ "å^è- Å x"å~°} <õ Ñ
\©HÍÅ HÍ~°œHõ= Å KÕÑ\ ìOk.

iii) œÑ"*İ J=QÍÇ"İ<å HÍ~°œHõ= Å

"å~âî Ñ"œuHõÅ , = QÆ* .# j, Ç"İ"ıOQÆ Å , ~_çÜ« , > eq[<£ " Ú^~
q^€°] °~À œÑ"[Å<õ =ÚO^ ~İœQÆ`«Î K«~°Å , \©HÍÅ , K« Hõ^-Å = O^~
JO`ÕQÍHõ ã" g Ñ"OÖ•x œáê^ä-q Hõ P~ÀQÆ° HOœ^€Å ^€"~å <õÄ_® q=
œÑ"Éèi` « "O z#" Ñ Å_iÅ<õ K« Hõ^-Å= O^~ , ã" g Hõ\$` « PÇ" ~° P=â °Hõ` « Å
œQÍg } œáêO`åÅÖ• " .^°ã"~^ áêÜ« Å

œQÍg } P~ÀQÆ° =°=ã"÷ =,_»OK Å =°=ã"÷. ã"ÉòÃãO@+Ü,Úœáê^ä-
Hõ=,°x\ P~ÀQÆ°HOœ^€Å• œÑ"ã" ÷ «O ã" = ~° 22,000 œáê^ä-q Hõ P
ã"Éò ÃãO@~° j = iÜ«Ú 2400 Hõ=,°x\ P~ÀQÆ° HOœ^€Å , 6.5 ÅHõ Å = O
œQÍg } P~ÀQÆ° ã"Ç" Ü« <õ Å`À áê@ J<ÕHõ œQÍg } P~ÀQÆ° HOœ^€Å

D ã"~^ áêÜ« Å# = iO` « qã"îiOKÕO^~ <õ ^~â Å"ås œÑ"}İoHõÅ ~° áç
[<åÉèi<õ (H O_» = iÜ«Ú œ> ý|Öò œáêO`åÅÖ• œÑ"u 20,000 = Ok [<åÉèi<õ
50,000 = OkH (3000 = Ok H O_» = iÜ«Ú œ> ý|Öò œáêO`åÅÖ•) XHõ ã"Éò
Hõ=,°x\© P~ÀQÆ° HOœ^~O 2000 ã"O= `«û~°O <å\ H U~âÊ@ KÕ'êî~° .

J~Ú`Õ Éèi=<åÅ H ~° « , = #=â H Î H ~° « , `«QÆ " Ú`«ÎOÖ• = O^~ Å
=O\ q D ÅHõ °ê^è-#<õ P@OHÍÅ .

D ã"= ã"°Å# f~°Û_®xH Zxq ^~ = œÑ"}İoHÍ=Ú'ê~Ú^€Ö• qã"Î~°} Hõ#" L#
^~\$+ ì ÃÑ\ìi~° .

J^Õq^è-OQÍ œQÍg } " .^° çã=Å Ü« Oœ`åOQÍx" Jaè=\$kúKÕã , "âiÇ
œÑ"[Å<õ L`«Î= " ý# çã=ÅOkOKåÅx çÑ~ ^~<å"~° . D P~ÀQÆ° HÍ~°œHõ= Å
Ñ"OKå~Úf ~å*ò =°=ã"÷ L`«Î= =°=ã"÷QÍ J=`«iã" ÎOk.

Ñ"@ì} P~ÀQÆ° HÍ~°œHõ= O

^Õâ OÖ• <åÅæ= =O` « Hõ<å" Z<õ ^~ = Ok œÑ"[Å Ñ"@ì} œáêO`åÅÖ•x
x=ã ã" Î#" "âiÖ• ã" = ~° 40% = Ok =ÚiH "å_»ÅÖ• L<å"~° . gi P~ÀQÆ° ã ÷u

`«‹õ¯=QÍ# , H x" ã"O^~â†ùÄÖ•^ ~°†ù~°OQÍ# LOk. HÍx D Ñ" @ì} ŒáêO` ã"«= `«= Û`« <â"~°.

L`«Î= " .^° ¿ã=ÄOkOKÖ H x" ÃÑ^~ì Pã" Ñ"Œ`« Ä HõÄ=Ü. HÍx ŒÑ" Z‹õ¯== Ok_®Hõì~° ; ŒÃÑ"Ö@ Pã"ÊŒ`« ÄÖ•Ñ"xKÖã" Î<â"~°. " .^°ÄÃ " .^° ã"~ áêÜ« Ä ÄÉèí°« LOk. ŒÑ"Éèí`« Pã"ÊŒ`« ÄÖ• " .^°O Lz`«O J# = <âÄ L<â"~Ü.

QÆ ~° ÎOK« HÀ=Äã # JOâßÄ

- x = Oz P~ÀQÆ°O =°‹õ ÎÄ 'ê= ~âú°Ä# , L`âÊ^~Hõ`«# x~° ~Úã" ÎOk.
- x 'ê"«Œ`«° ã"= Ü« xH Éèì~°«^Öâ OÖ• P~ÀQÆ° Ñ"iã ÷u Pâß[# = ã" z, = ÖËiÜ« , ‹õ +~µì, JO^è~`«=Ú = iÜ« W`«~° "â°è~ Ä Éì#Ñ " .^° ã"~ áêÜ« Ä ÖËHõáÈ=_»Ö .
- x 'ê"«Œ`«°#O`«~°O, D "â°è~ Ä x"â~°}‹õ , x~° ,Ä#‹õ qq^è~ HÍ~ W`«~° "â°è~ Ö .# HõÄ~â, HÀiO`« ^~QÆ æ, > @#ã , áÊeÜ " Ú^ ^€"~â x~° ,eOKâ~° .
- x ŒQÍg } P~ÀQÍ°x" = \$kú KÖÜ« _®xH , =,_»OK Ä =°=ã ÷, Hõ=,°x Œáê^ä~q Hõ P~ÀQÆ° HOŒ^€Ä , ã"ÉòÃãO@~° ; U~°Ê_®~Ú.

32.2 áê~îâ°Oâ ŒÑ"â "Ä

D ŒH Ok "à\ Ö•`«Ñ"C / XÑ"CÄ# QÆ îîOK«O_ç.

- (i) ^Öâ OÖ• ŒÑ"[Ä L`âÊ^~Hõ 'ê= ~âú°x" ÃÑOK«_®xH = Oz P~ÀQÆ°O
- (ii) ^Öâ OÖ• = ã" z Ñ"ÓîîQÍ x~° ,eON"[_çOk.
- (iii) ŒÑ"[ÄO^~iH© " .^° ã"~ áêÜ« ÄOkOKâÄ<Ö ÄHõ °O 'êkèON"[_çOk
- (iv) 1980-81 Ö• ã"QÆ@ r=# ŒÑ"= }O 58.7 ã"O= `«û~âÄ

32.6 q^°(Education)

Z) q^° P=â °Hõ`«

1. q^° ŒÑ"[Ä <â}°`«# ÃÑOK«`« Ok.

q^° Hõey# ŒÑ"[Ä ^ÖâßxH Pã ÷=O\ "â~°. q^° < .Ñ"Ü}ÿ°Ä# , 'ê= ~ ÃÑOK«`« Ok-'êO HuHõ Éèì"âÄ# `Ä ã" HÀ"âÄ<Ö I*Î ã"# q^° ÃÑOK«`« C áÈHõ_»Ä `Ä 'êÎ~Ü.

q^0 = #=Ùx ã"OÑ"Ó~' =°H Î « " qHÍ'êxH , Jx" q^è€Ö .# Jaè=\$kúH ^À
P^è- xHõ PÖ•K «#Å# "ÕQÆ=O` «OQÍ KÕÜ« QÆÅ_» . Wk Ñ"xÑ"@; ÆÑ"[Å
W|†Ok Hõ~" ÿ# PKå~° =°=Ç" ~åÅ# ^ ~°O KÕã" ÎOk.

q^0 OEã•ÎĀ , ÉĭeHõĀ Ñ" @; ^-\$HõÊ^è€ĀÖ• = ~° Ê`Õ=_@xH ā"Ç" Ü«
 - = QÆ Ñ Ā;Ā = ^0 qK«Hõ }# `«yæã" Î<ā"~° . JO`ÕQÍHõ = Ç ĩà Ā<õ Éèiq
 = QÆ Ñ Ā;"āx q^0`ÀÉĬ@ P_»Ñ Ā;Ā q^0 <õÄ_® D<ā_» ZO`À J=ã"~°O. ĩ
 áÈ`« <ā"~Ú.

ŒQÍg } = Ç Ìà Å "ài ŒáêO`âÄÖ• áÈ+ OKÕ áêŒ`«Ö• = ~° ÊÅ =KâÛ
 LO_»#Ñ"É\ H©, "àiH JxÜ« `« q^°# ŒÑ"'"ê~° = ^è-°= Å - \ .q. ~_çÜ - " Ú.
 Ñ¶"e`«OQÍ "â~° `«= Ç"İõ -Å Ñ"@; J=QÍÇ"İ#‹õ =KâÛ~° . =~°Î= # HÍÄÖÖ
 áÈ\©KÕÜ« =K« Û.

q^° Ñ"xÑ"@_j = Ç Ìà Å ^\$HõÊ^è€ÄÖ• <öÄ_® = ~° ÊÄ `ã" îOk. œÑ"
Ñ"@_j *İQÆ~° Hõ`«`À°=Ç"İiã" Î<ã"~° . Jx" ~°OQİÄÖ•# = Ç Ìà Å Ñ"xKÖã" İ
"Ö <Ö[+S;PÑ¶•ã"~° ;Qİ, Äã.O\ã" İÄ Qİ, WO[h~° ;Qİ, \©K«~° ;Qİ, Ö HõÛ~°~
g ~° K«_»=K« Û. nx=Ä_j 'êÖÑ¶ Hõ x~ã,}İÄÖ•# , 'êÖÑ¶ Hõ ã"O|O^è€Ä
<ã}°`«Ö•" ~° QÆ ^Ä =zÛOk.

WO`«õ =ÚO^Õ` Å ã`õ #”@ ; K«^ =Ùõ #” =°H Î P^è– xHõ PÖ•K«#
KÕã” H O\Ĭ_» . = # Ñ”iŒâ = ÅÖ• Ñ”xKÕÜ« _®xH , P^è– xHõ =°=’êÜ« H
< .Ñ”Ü}°O QÆÅ Œâßq õ Å ’êO HuHõ q^° ^€“~â Åæ’êĽ° .

q^_0 ^€“~å =°õ ÎÅ , JkèHõ [çåÉèĭ =Å# ^Õâ OÖ• U~°Ê_Õ ^ +“Êe`å
Éèĭ=#õ " ÚQÆ æ K« Ñ"Ù`å~° . "å~° `«= r=# 'ê÷~Úx ÃÑOK« HÀ"åÅO:
"åã"î"åx" ŒEQÆÇ ĩ'êĭ~° . g~° qq^è— çõ @ O| xÜ« Oœ`«ĭ'ê^è—çåÅ# qxÜ

JHõ ~ãã" °Å qq^è—"å^è— Å ~åõ O_® *ïEQÆ`«ÎÅ fã" <õ O\ĩ~°. "å~
=ÚO^ ~ *ïEQÆ`«ÎÅ fã" H x "å^è— Å ŒÑ"|Åõ O_® K« 'êî~°.

q^0 - OEÑ"ã" Î « Ñ"iã ÷u

'ê" «OCE`â°xH Ñ"Ó~°O

'ê" «OCE` «° HÍÁO<â\ H = #^Ôâ OÖ• q^€°ê÷~Ú Pâß[#HõOQÍ ÖË^ .
15 Hõ<â" `«<õ = âß`«O JHõ ~ãã"°â 'ê÷~ÚLOk. ã" ^Å Éèí=<âÅ , ÖË| ~@s
'œHõ~â°Å `«QÆ q^è-OQÍ ÖË=Ù. HÍ= ~° û, "Õ <Õ*ò" O\ò, Pi~> HõÛ~ü, \<
OEá±ÃÑ¶+~#Öò HÀ~° ûÅ 'œHõ~â°Å KãÖÏ Ñ"iq `«OQÍ LO_Õq. Ju `«<õ = "
28 " .^°HõàîâßÅÖ• ã" = ~° 2700 = Ok " .^° q^€°~° ÌÅ = OE`«"Õ HõÅ~° .

'ê" «OCE`â°#O` «~°O

'ê" «OCE`â°#O` «~° HÍÁOÖ• q^€°ê÷~Úx ÃÑOK«_®xH ^Ôâ OÖ• ã"O
q^0<õ PiúHíàè=\$kìH = ^è-° ^è-<â`« ,Hõ ã"O|O^è-O LO@ Ok. L^€Ç"Ì~°
^€~â < .Ñ"Ù}°O QÆÅ OEâßq <õ Å# á±O^=K« Û. ÃÑ.# q=iOz# q^è-OQ
<â}° «# =\$kúKÕã" HÀ=K« Û.

1950-51 Ö• 2.10 ÅHõ Å QÍ L#" OEáê^ä-q Hõ q^€°ÅÜ« Å , 1994-95 <â
W^ÔHÍÁOÖ• OEáê^ä-q HÀ#" « q^€°ÅÜ« Å 0.13 ÅHõ Å# O_ç 1.6 ÅHõ Å<
OEáê^ä-q Hõ q^€°=°=ã"÷ OEÑ"Ñ"OK«OÖ•ÔHÅj Ju ÃÑ^~Ì =°=ã"÷QÍ ~° á±O

ÉèÌ~° « ~â*Ï°OQÆ J= Å OEáê~°OaèOz#Ñ"ÙÊ_» 6 # O_ç 14 ã"O= `ã"O= `«û~âÅÖ• JOkOKãÅx x ~útã" ÍOk. J~Ú`Õ Jk WÑ"Ê\ =~°<õÅ J= Å [~°

= #^Ôâ OÖ• JÅÊ JHõ ~ãã"°â ~@ <õ =ÚY° HÍ~°}O |_ç = x"Õã" Î#" Ñ
OEáê^ä-q Hõ 'ê÷~ÚÖ• Ñ ÅjÅ |_çH Ç" [~° HÍHõáÈ=_»O, |_ç= x"ÕÜ« @O

i) JÅÊ q^€°ÅÜ« 'œHõ~â°Å

ii) J# QÆ }OQÍ ÖËx Hõì<õ °Å"£

iii) É•^è-<â Ñ"~^~`« ÅÖ• H ~° «

iv) ¿Ñ^~iHõO

L#" « q^0ÃÑ. JkèHõ XuÎ_ç = Ozk HÍ^ . ã•xÜ« ~ü ÃãHõO_»s q^0 Ñ
q^0Å<õ " àİ§Åx HÀ~° <õ OÏ~° . L#" « q^€° q^è€#O H=ÅO Ñ"@ì|OE^ Å#
" .\òHÍÁ~ü L^À°QÍÅ Pt'êÌ~° . J~Ú`Õ D L^À°QÍÅ ã"Ñ"jÜü = #^Ôâ OÖ• `«<õ
"àiÖ• x~° ^À°y`« ^Ôâ OÖ• ÃÑ~° QÆ `ÀOk.

= ~ Hõ =ÚY° ÿ# ã"= ã"° "Õ ^èÀ=Åã" . = #^Ôâ Ãã.O\ ã" ìÅ , WO[h~° j L
=Åã" " à §_»O =Å# = #=#~° Å =\$^è€ J=Ù`« <â"~Ú. gix " # Hõ<õ `Ñ ÊOKÓ
= # PiúHíàè=\$kúH ã"Ç" Ü« Ñ"_» `« Ok.

Ñ` \ ìHõ 32.2

Éèĭ~° «^Õâ OÖ• JHõ ~ãã"° â ~@

ã"O=° «Ů~°O	" Ů «ĬOÑ"Ů~° +°µÅ	OEã•ĬÅ	
1951	18	27	9
1971	35	46	22
1981	44	56	30
1991	52	64	39

ZO`À 'êkèOz#N"E\ H©, WOHI 'êkèOKæeûOk ZO`À LOk. ~ã# #" ^~âŮ
 ^Õâ OÖ•=\$kú ~@ 'êkèOz#Ñ"ŮÊ_Õ x~°Hõ ~ãã"° â x~°, Å# PÅã"°O HÍ'õ O
 Ñ"iã ÷u Pâß[#HõOQÍÖÊ^.

QÆ ~° ĬOK« HÀ=Åã # JOâßÅ

- x = # = #~° Å Jaè=\$kú OEÑ"[Å <â}° « 'õ ã"O|OkèOz#k. nxx q^°# Å
 'êkèOK«=K« Ů.
- x q^° OEÑ" «°Hõ OQÍ OEÑ"[Å <â}° «# 'ê= ~âú°Å = iÜ«Ú L`âÊ^~
 =\$kú KÕã" ĬOk.
- x 'ê" «OÖ` «° HÍÅO<â\ H JHõ ~ãã"° â âß` «O 25% Wk OEÑ"ã" Ĭ` «O
- x JHõ ~ãã"° â âß` «O ÑÑ~°QÆ_®xH =ÚY°HÍ~°}O, OEÑ"}ĬoHõÅÖ•
 ã"OII "âiH Lz` « x~°†ùO^ q^°, PÑ" ~+<£ Éĭ;H± É•~üx " Ú^ÅQ/
 =°Ü« x" KÕÜ« _»O.

32.3 áê~îâ°Oâ OEÑ"â "Å

OEH Ok MĭmÅ# OEÉĬÔHĭÖ• W="[_ç# Ñ"~°=ÚÅ ã"Ç" Ü« O`À Ñ"ÓiOÑ"Ů=Ú
 (ÕeHõQÍ, <â}° «, PiúHíæ=\$kú, 42, 'ê= ~°ú°=Ú, 52)

- (i) q^° OEÑ" «°Hõ OQÍ OEÑ"[Å # L`âÊ^~Hõ` « = iÜ«Ú ...
 ^€~â=\$kú KÕã" ĬOk.
- (ii) K«^°=Ü'õ #" =°H Ĭ # `«# PÖ•K«#Å# KÕ'êĬ_» .
- (iii) q^°'õ 'õ = ^è~° OEÑ" «°Hõ ã"O|O^è~O LOk.
- (iv) 1991 = ã"OIIÖ• " Ú` «ĬO JHõ ~ãã"° « âß` «O.

áê~îâ°O` «~° ŒÑ"â "Å

1. Ç"İ ã OQ J#QÍ<Õq ? ^€x Œáê^è€#°` « Uq \ ?
2. ŒQÍg } = iÜ«Ú Ñ" @ì} QÆ\$Ç"İ ŒÑ"}İoHõÅÑ. XHõ "â°ã"O Œ"âÜ«Ú
3. Ñ" @ì} ŒáêO`âÅÖ• Ç"İ ã OQ ã"= ã"°Å<õ HÍ~°}İÅ Uq \ ?
4. = Oz P~ÀQÆ° P=â °Hõ` « Uq \ ? 'ê" «OŒ`«° HÍÖİxH = #^Õâ OÖ• P~
5. ÉèĬ~° «^Õâ OÖ• ŒÑ"ã" Î «O P~ÀQÆ° ã"~ áêÜ« Å ã ÷ux ` Å Ê=Ú?
6. 'ê" «OŒ`â°#O` «~° HÍÅOÖ• r=# ŒÑ"= } ~@ Ö• Uq^è—" ÿ# = ~° ÊÅ
r=# ŒÑ"= }İx" ÅÑOK«_®xH ŒÑ"ÉèĬ` «"O fã" <õ # K«~°Å Uq \ ?
7. ŒQÍg } ÉèĬ~° «^Õâ OÖ• " .^° ã"~ áêÜ« ÅÑ. XHõ "â°ã"O Œ"âÜ«Ú
8. q^° P=â °Hõ` «# = iÜ«Ú Œáê=ÚY° «# q=iOÑ"Ù=Ú?
9. 'ê" «OŒ`«° ã"= Ü« xH ÉèĬ~° «^Õâ OÖ• q^° ã ÷uQÆ` « ÅÑ. XHõ "
10. ÉèĬ~° «^Õâ OÖ• q^° =°=ã"÷ Ö•áêÅ# ` ÅyOK«_®xH ŒÑ"ÉèĬ` «"O
ã"= ^è€<âÅ

áê~îâ°Oâ ŒÑ"â "Å 32.1

(i) `«Ñ"ÙÊ (ii) XÑ"ÙÊ (iii) XÑ"ÙÊ (iv) `«Ñ"ÙÊ

áê~îâ°Oâ ŒÑ"â "Å 32.2

(i) XÑ"ÙÊ (ii) XÑ"ÙÊ (iii) `«Ñ"ÙÊ (iv) `«Ñ"ÙÊ

áê~îâ°Oâ ŒÑ"â "Å 32.3

(i) <â}°` «, 'ê= ~°(ú)°=ÖeHõQÍ(ii) PiúHíae=\$kú(iv) 52

áê~îâ°O` «~° ŒÑ"â "Å

1. ÆãHõ <£ 32.4 K«^_ =Ù=Ú.
2. ÆãHõ <£ 32.4 (Z) = iÜ«Ú (a) K«^_ =Ù=Ú.
3. ÆãHõ <£ 32.4 (ã) K«^_ =Ù=Ú.
4. ÆãHõ <£ 32.5 K«^_ =Ù=Ú.
5. ÆãHõ <£ 32.5 K«^_ =Ù=Ú.
6. ÆãHõ <£ 32.5 K«^_ =Ù=Ú.
7. ÆãHõ <£ 32.5 K«^_ =Ù=Ú.
8. ÆãHõ <£ 32.6 K«^_ =Ù=Ú.
9. ÆãHõ <£ 32.6 K«^_ =Ù=Ú.
10. ÆãHõ <£ 32.6 (a) K«^_ =Ù=Ú.

<Ö+¨#Öò FÃÑ<£ ã¨ ¯Öò

ã•xÜ« ~ü ÃãHõO_»s q^_°

ã¨ ì_ O\òû JÃã·<£" O\ò - 6

Z_»= ÉèĬQÆOÖ•x MĭmÅ# q^€°~° ÷Å Ñ¨ÓiOK«O_ç.

Z<£~ÀÖò " O\ò < O. á†Ok# = ~° ¯Å

q^€°iú ¿Ñ~° # `ÖkÑ:QÑ.....

¿ÑÑ¨~° - J~°úâßœã¨ÎO J^è€°Ñ¨¿õ x ¿Ñ~° ..

ã¨= iÊOz# `Ök : ã¨O` «Hõ=Ú

J^è€°Ñ¨¿õ x JaèœÉáêÜ« x"ÖkHõ

ã¨ K«#Å

x Jx¨ œÑ¨â¨ Å¿õ ã¨= ^è€#=ÚÅ "Ö ~ ¿ÑrÅÑÑ· œ"âÜ« O_ç.

x h=Ú JÃã·<£" O@j# ã¨O|Okè` « ã¨ì_ô ÃãO@~üÖ•x @ °@~ü`À QÍh, La
nx =Åj h ÃÑ¶~°á¶êÔ~,# ûÃÑ· h¿õ áê\ "£ Ñ¶_£ÉĬ°H± =ã¨ ÎOk.

nxx ¿ãì\ò FÃÑ<£ ã¨ ¯Å ¿õ Ñ¨ON

ã"= Ü« O QÆO. 1 1/2 Å

= ~° -Å

QÆ= xHõ : ŒÑ"u ŒÑ"â "õ 5 = ~° -Å

1. â H Î JkèHõ 'ê÷~ÜÖ• JOâßÅ# q=iOÑ"Ü
2. J='ê÷Ñ" # J~áúx" q=iOÑ"Ü=Ú. <âÅ QÆ J='ê÷Ñ"<â 'œHõ~â°Å ¿Ñ~°
3. U q^è-OQÍ<À 'õ ¿Ñ"ÎOQÍ q=iOÑ"Ü=Ú.
i) =°='êÜ« O Ñ"iŒâ = 'õ ã"Ç" Ü« Ñ" _ » `« Ok.
ii) Ñ"iŒâ = =°='êÜ« xH ã"Ç" Ü« Ñ" _ » `« Ok.
4. ŒH Ok "â\ Ö•, Ô~O_» JOâßÅ# q=iOÑ"Ü=Ú.
i) ÉèĬ~° « =°='êÜ« ~°OQÆOÖ• JÖ•Ê`âÊ^Hõ`« 'õ HÍ~°}ĬÅ
ii) ÉèĬ~° « ^Œâ OÖ• Ñ"a¿H± ã"Oã"÷Å ã"= ã"°Å'õ =,Å HÍ~°}ĬÅ
5. J~áúÅ# ` Å Ê=Ú.
i) 'êOÑ¶ Hõ J='ê÷Ñ" #
ii) ã""ÅÊ`ŒeHõ Ñ"~°Ñ"u
iii) ã"g Hõ\$`« 'êQÆ
iv) ÉèĬ q L`âÊ^Hõ`«
v) Sã ÖĬ°O_£ h\ = ~âæÅ
6. ÉèĬ~° « PiúHõ =°=ã"÷Ö• =°='êÜ« ~°OQÆO áêŒ`« Uq \ ? 5 áê~ÚO
7. ÉèĬ~° « PiúHõ =°=ã"÷Ö• z#" `« ~°Ç" ã"Oã"÷Å Œáê^è€#° « Ö• Ô~O_»
8. U" .<â Ô~O_» > bHõ=,°x H+"<£ = ~âæÅ q=iOÑ"Ü=Ú.
9. ÉèĬ~° « ^Œâ OÖ• ŒÑ"ÉèĬ `« " q`âĬxH QÆÅ U"Œx Ô~O_» ã"Oã"÷Å#
10. ÉèĬ~° « q^€° q^è€#OÖ• Ö•âêÅ# ` ÅyOK«_®xH fã" 'õ #" U" .<â Ô~

33. Éèĭ~° «^Õâ q^Õj "â°áê~°O - kâ =

(Direction and Composition of India's Foreign Trade)

33.1 LáÊ^€f` «O

œÑ"[Å J=ã~ãÅ f~°Û_®xH Jx" ^ÕâßÅ'õÄ =ã" Î ġã=Å J=ã~°O. =ã" Î ġ
h=Û áê~î°O - 1 Ö•K«kq#@ ġ, œÑ"u^ÕâßxH =#~° Å Ñ"iq`«OQÍ = œ`«"Õ
=ã" Î ġã=Åx"O\ h L`«ÊuÎ KÕÜ« ÖÊ~. D ^ÕâßÅ `«# =^~ Ì ÅÉèí°O HÍh ÖÊ~
"â\ x W`«~° ^ÕâßÅ # O_ç H <âe. J^Õ q^è-OQÍ `«# =^~ Ì JkèHõ Ñ"i= }ĬÅÖ•
^ÕâßÅ'õ J=,e. Éèĭ~° «^Õâ O 'õÄ_® J<ÕHõ =ã" Î ġã=Å H # QÀÅ - J=,H
KÕã" ÎOk. D áê~î°OÖ• h=Û Éèĭ~° «^Õâ q^Õj "â°áê~° ã""Éèĭ"âx", Uq^è-"
KÕã" ÎOk• UU ^ÕâßÅ # O_ç H # QÀÅ KÕã, UU ^ÕâßÅ'õ J=,HÍÅ KÕã"

33.2 ÅH Í°Å

- D áê~îâ°Oâ O J^è-°Ü« #O KÕã #`«~â"« g ~° ` Å ã" 'õ <Õq.
- x q^Õj "â°áê~°=Ú J~â÷x" q=iOK« @.
 - x ^ÕâßÅ = ^è-° "â°áê~°O ZO~ 'õ [~° QÆ`« O^À ` Å ã" H # @.
 - x Éèĭ~° «^ÕâßxH QÆÅ JO`«~â fÜ« "â°áê~° œáê=ÚY°« ` Å Ê@.
 - x Éèĭ~° « q^Õj "â°áê~° 'õÄ~° Ê# q=iOK« @. J#QÍ Éèĭ~° «^Õâ ZQÆ =
 - x Éèĭ~° «^Õâ q^Õj "â°áê~° kâ # ` Å Ê=Ú. Jk HÍÅ œÑ""âÇ"ïOÖ• ZÖĬ =
 - x œÑ"Ñ"OK« "â} [°OÖ• Éèĭ~° «^Õâ "â\# q=iOK« @.

33.3q^Õj "â°áê~°=Ú - J~°÷O

œÑ"u^Õâ =Ú œÑ"[Å'õ =ã" Î ġã=Å ÅÉèí°«# ÃÑOK«_®xH W`«~° ^
q^è-OQÍ `«# =^~ Ì J^~#OQÍ L#" L`«Ê`« ÎÅ# W`«~° ^ÕâßÅ'õ J"Õ, œÑ"Û
=ã" Î=ÛÅ# H # QÀÅ KÕÜ« _®x" kQÆ = `« Åh• W`«~° ^ÕâßÅ'õ =ã" Î=Û.
ZQÆ = `« Å, kQÆ = `« Å Ô~O_» q^Õj "â°áê~°OÖ• LOĬ~Ú. HÍ\ Ĭ Ô~O_»
"â°áê~°O JOĬ~°. J~Ú`Õ q^Õj "â°áê~°OÖ• H=ÅO =ã" Î=ÛÅ H # QÀÅ J=
W# °ûÔ~# û, ÉĬ°OH OQ, Hõ#ûÖò> hû ġã=Å " Ú~ÅQÆ ġã=Å J=,HÍÅ H
q^Õj "â°áê~° œÑ""Õ°Hõ ÅHõ }ĬÅ

œÑ"u^Õâ =,`«# ^Õâ OÖ• = œ`«"Õ qx= Ü« = O^è-°OQÍ JOwHõioÑ
^ÕâßÅ # O_ç kQÆ = `« Å KÕã" 'õ #Ñ"C_», P kQÆ = `« Å'õ K eġoÑ"Û

HõÔ~hûx PÜ« ^ÕâßÅ JOWHõioÑ"Hõ áÈ=K« Û. "â~° K e;ON"ÙÅ# `«= "â°Ñ"ÎOQÍ qx= Ü« = ^è-°= OQÍ JOWHõioÑ"|_Õ HõÔ~hû ~° Ñ"OÖ• = OE`« áœO_» ÃãÊi;OQ " Ú~Ö .#q D HÀ=õ K O^`â~Ú. HÍ|`ì kQÆ = u KÕ K e;ON"ÙÅ ZÖÏ KÕÜ« e. g\ H `«Ñ"Êxã"iQÍ, PÜ« ^ÕâßÅ HõÔ~hûÅ# H HõÔ~hûÅ# ã"OáêkOKâe. HÍ|`ì D HõÔ~hûÅ# W`«~° ^ÕâßÅõ =ã" Î=ÙÅ# KÕÜ« _»O ^€~â á†O^=K« Û. W`«~° ^ÕâßÅõ KÕ;ã K e;ON"ÙÅ ~â|_» ã"= ã"° U~°Ê_» `« Ok. nxx |`ì h=Ù ã" ÁÉèíOQÍ kQÆ = `« Åõ K e;ON"ÙÅ J~°÷O KÕã" HÀ=K« Û. q^Õj = ~°HõOE^`"â°x" QÆ iOz# = iO`« J=QÍÇ"Î# g

QÆ ~° ÎOK« HÀ~y# JOâßÅ
 x q^ÕâßÅõ =ã" Î=ÙÅ# J= ,_®x" ZQÆ = `« Åh, q^ÕâßÅ # O_ç = KÕÜ« _®x" kQÆ = `« ÅO^~°.
 x W# °Ô~# û, Éï°OH OQ , + Ñ ÊOQ " Ú~Ö .# ;ã=Å# õÄ_® ZQÆ
 x qq^è- ^ÕâßÅÖ• qq^è- HõÔ~hûÅ LO_» @O =Å; q^Õj = ~°HõOE^`

áê~îâ°Oâ ŒEN"â "Å 33.1

D ŒEH Ok "â\ Ö• `«Ñ"C,, 'XÑ"C,, Å# QÆ îîOK«O_ç.

- i) q^Õj "â°áê~°OÖ• ZQÆ = `« Å = iÜ«Ú kQÆ = `« Å Ô~O_» LO|~Ú.
- ii) W`«~° ^ÕâßÅ # O_ç =ã" Î=ÙÅ# H # Q Å KÕÜ« _®x" ZQÆ = `« ÅO|
- iii) qq^è- ^ÕâßÅÖ• qq^è- HõÔ~hûÅ LO_» @O =Å; q^Õj "â°áê~°OÖ• U

33.4q^Õj "â°áê~° ŒÉáê^è€#°`«

q^Õj "â°áê~°OÖ• ZQÆ = `« Å , kQÆ = `« Å Ô~O_» LO|~Ú. XHõ ^Ç ZO`À ŒÉáê=ÚY°`«# Hõeæ LO|~Ú. Jq D ŒEH Ok q^è-OQÍ L<â"~Ú.

Z. kQÆ = `« Å ŒÉáê^è€#°`«

ZQÆ = `« Å Ü ÚHõ` ŒÉáê^è€#°`« U ^Õâ OÖ•< .<â D ŒEH Ok q^è-O

- i) Pi÷Hõ =°=ã÷ Jaè=\$kúÖ• ã"Ç" Ü« HÍi

áêiŒÊâßq Híáè=\$kúH =,Å^è-# =ã" Î=ÜÖ .# Ü« OŒ`âÅ , Ü« OŒ`« Ñ"iH â H Î, ~°"â}Î =O\ "â\ ÃÑ. õÄ_® áêiŒÊâßq Híáè=\$kú P^è€~°Ñ" _ç LO@ Ok. =°='êÜ« ~°OQÆO "ÕQÆOQÍ Jaè=\$kú K O^_®xH HÍ"âe. Z~° =ÙÅ , Ñ"Ù~ HŒÅHõáêŒ`« =Ç Î'êÎ~Ú. XHõ Jaè=\$kú K O^`« #» ^Õâ O D =ã" Î=ÙÅ# `

g\ x L`«ÊuÎ KÕÜ» ÖË^ . ÖË^€ g\ x J=ã~°" ÿ# "Õ ~å L`«ÊuÎ KÕÜ» ã 'ê= kQÆ = `« Å ^€~å Ñ"Ó_ »Û=K« Û. HÍ\ ì kQÆ = `« Å ^Õâ O Û ÚHõ L`åÊ

ii) H ~°`«Å# Ñ"Ó_ » Û@

PÇ" ~°O, =O@ # < Å =O\ x`å°=ã~° =ã" Î=ÙÅ ^ÕjÜ« _ç= O_£õ , ^ Ö•@ # kQÆ = `« Å Ñ"Ó_ » Û`å~Ú. L^€Ç"Î~°}õ , 'ê"«OË`«°O ÅaèOz# fœ=OQÍ LO_Õk. HÍ\ ì Ñ"Î~° " Ú`åÎÄÖ• PÇ" ~° =ã" Î=ÙÖ .# QÀè= , aÜ WÑ"Ê\ H© " |@| Öò # < Å# = #O J=ã~°O "Õ ~å L`«ÊuÎ KÕÜ» ÖËHõ á KÕÜ« |_» `« <å"~Ú.

iii) " ~° ÔQ.# r=# 'ê÷~ÚH kQÆ = `« Å

qÖlã" =ã" Î=ÙÅ , áêH Hõ qÖlã" =ã" Î=ÙÅ =O\ J`«°=ã~°O HÍx =ã" Î=Ù L`«ÊuÎ KÕÜ» ÖË=Ù. L^€Ç"Î~°}õ > eq[<£, HÍ~° j, "å+ OQ q +~°# j " Ú~° Ñ"Î~° QÆ `« # P^€Ü« Å g\ _ç= O_£# Ñ"OK« `å~Ú. D =ã" Î=ÙÅ# XHõ ^

iv) L`«ÊuÎ <å}°`«# Ñ"OK«=K« Û

^ÕjÜ« L`«Ê`« ÎÅ <å}°`«# Ñ"OK«_®xH kQÆ = `« Å ã"Ç" Ü« Ñ" _»`å~Ú. ^ÕjÜ« L`«ÊuÎ ^€~° Å `«= L`«Ê`« ÎÅ <å}°`«# Ñ"OKÕ ÆÑ"Ü« `«"O KÕ'êÎ L`«ÊuÎ^€~° ÄÖ• = iO`« ã" = ~°÷`« À áÈ\© Ñ" _»`å~° . L^€Ç"Î~°}õ , ÉèÎ~°`« = #^Õâ OÖ•x PÜ« =ã" Î=ÙÅ <å}°`« Ñ"~°QÆ_®xH ZO`«QÍ<À ^ÀÇ"Î~°Ñ"

a. ZQÆ = `« Å Æáê^è€#°`«

ZQÆ = `« Å D ÆH Ok q`è—OQÍ Æáê^è€#°`«# Hõey L<å"~Ú.

i) Pi÷Hõ =\$kúH ã"Ç" Ü« HÍi

Pi÷Hõ =\$kúH ZQÆ = `« Å ÆH Ok ~° áêÄÖ• ã"Ç" Ü« HÍiQÍ LOl~Ú. ZQÆ = `« Å L`«ÊuÎ Ñ"~°QÆ_®xH `À_»Ê_»`å~Ú

ZQÆ = `« Å q QÆ Å L`«ÊuÎx J=Ú,HÀ=_®xH LÑ"Ü QÆÑ" _»`å~Ú. L`«ÊuÎ KÕÜ» QÆe Q'ê= ~°÷°O ^€x _ç= O_£ HõO>Ë Zõ =. XHõ"Õà = #C ^€x " Ú`«ÎO L`«ÊuÎ `«õ =QÍ LO@ Ok. `ÖÜ« õ # Ü« ,~°Ñ ^ÕâßÅõ ZG qã"Î\$`«O J~ÚOk.

ZQÆ = `« Å P^€Ü« , L^À°y`«Å Ñ"~°QÆ_®xH ^ÀÇ"Î~°Ñ" _»`å~Ú

ZQÆ = `« Å = Ô~\ò Ñ"i= }l"x qã"liOz L`«Ê`« ÎÅ Ñ"~° QÆ ^Å# ÆáÈ

JkèHõ = # = â H Îx qxÜ y'êî~Ú. HÍ\ ì Z'õ ¯ = OkH L^À°QÍÅ ÅaèOz JkèHõ L
ÃÑ~° QÆ`â~Ú.

ã"O|Okè`« Ñ"iOEâ = Å qã"î'êî~Ú

XHõ Ñ"iOEâ = qã"Î\$u = ~À Ñ"iOEâ = qã"Î~°}õ ^ëifã" ÎOk. L^ëÇ"Î~°}õ
qã"Î~°}õ HÍ~°}" ÿ`Õ, nx = Å¡ áê°H OQ, ~°"â}Î = O\ "â\ _ç = O_£ ÃÑiy, D ~°
W`«~° = ã" Î=ÚÅ _ç = O_£Ö• ÃÑ~° QÆ ^~Å

ZQÆ = `« Å Pi÷Hõ = ð=ã"÷Ö• JkèHõ P^ëÜ« , L^À°y`« Å'õ ^ëif'êî~Ú. P
H # QÀÅ â H ÎH ^ëifã" ÎOk, Ñ"e`« OQÍ g~° uiy = ð=ã"÷Ö• L`« ÊuÎ J~Ú# = ã"
D = ã" Î=ÚÅ _ç = O_£Ö•x ÃÑ~° QÆ ^~Å L`« ÊuÎ, P^ëÜ« Å , L^À°y`« ÅÖ• Å
q^è-OQÍ Pi÷Hõ = ð=ã"÷Ö• = \$kú OEáê~°OÉèí = Ú`« Ok.

J# Ñ"Ü«ÚHõÎ" ÿ# = #~° Å qxÜ QÆO

ZQÆ = `« Å L`« ÊuÎ `«~°Ç" # ÃÑOz, # `«# 'êO HuHõ Ñ"i*Î # qxÜ Q
= #~° Å J# Ñ"Ü«ÚHõÎ qxÜ QÍxH ^ëifã , JkèHõ L`« ÊuÎx J"Õ = #~° ÅÖ•, `««õ
`«# 'êO HuHõ Ñ"i*Î #O = ã" Î <â}°`«# ÃÑOK«_®xH 'õÄ_® ã"Ç" Ü« Ñ"_»

ii) q^Õj = ~°HõOE^= ð ã"=Úáê~° #

q^Õj = ~°Hõ OE^= ð ã"=Úáê~° #Ö• (J#QÍ q^Õj OE^= ð=Ú) ZQÆ = `« Å
U ^ÕâßxÔH.<â `«# kQÆ = `« Å'õ K e¡OÑ"ÚÅ KÕÜ«_®xH q^Õj = ~°H
ã"OáêkOK«_®xH ZQÆ = `« Å XHõ = ~°æO.

33.5q^Õj "â°áê~°OÖ• Z=Ô~°~° x= QÆ"= ø`â~°

Éèi~°`« ^Õâ OÖ• OEÑ"Éèi`«“ OEÃÑ."Õ@ ~°OQÍÅ Ô~O_» q^Õj "â°
Ñ"Ó~°“O Éèi~°`« ^Õâ OÖ•, q^Õj"â°áê~°O OEÑ"èë#OQÍ OEÃÑ."Õ@ ~°OQÆ
Éèi~°`« OEÑ"Éèi`«“O q^Õj "â°áê~°xH ã"O|OkèOz qq^è- P~°æ<.*Ë+~°#
OEÑ"Éèi`«“ P~°æ<.*Ë+~°# ;

OEÑ"Éèi`«“ P~°æ<.*Ë+~°# ; =ÚY°OQÍ JkèHõÉèiQÆO PÇ" ~° ^èë<â°Å
=O\ =ã" Î=ÚÅÃÑ. ^~\$+ istHOGamHOG>Ë<â°OÍ (q^~°Öè) iÜ«Ú" @Öè
OE>Ë_çOQ HÍ~ÀÊ ~+~°<£) " Ú^Ö .#q OEÑ"Éèi`«“ U* hûÅ'õ L^ëÇ"Î~°}Å QÍH
OEÑ"Éèi`«“O ^Õâ q^Õj "â°áê~°OÖ• OEÑ"=ÚY áêOE`« =Ç ÎOKâÅx HÀ~°H

OEÃÑ."Õ@ ~°OQÆO

OEÃÑ."Õ@ ~°OQÆO <õÄ_® q^Õj"á°áê~°OÖ• x= QÆ"= =Ü` « Ok. Ô~ Ç"İã"İHõàİ =ã" İ=ÜÅ , `ÕÜ« <õ , HÍÑ¶ =O\ q OEÑ"~è€#OQÍ D ~°OQÆO ZQ =ã" İ=ÜÅ , qxÜ QÆ =ã" İ=ÜÅ =O\ "å\ x kQÆ = u KÕã" <õ O@ Ok.

Uk U= ~Ú#Ñ"Ê\ H©, ã"Oã"~°}Å Ñ¶"e` «OQÍ OEÑ"Éèí `« "U* hùÅ "åİ q^Á áêOE` « QÆ}hÜ« OQÍ ÑÑ~° QÆ `ÀOk.

QÆ ~° İOK« HÄ=Äã # JOâßÄ

- x D OEH Ok HÍ~°}İÄ =Ä# kQÆ = `« Ä =ÚY°" ÿ#q
Jq^Õâ L`âÊ^~Hõ`â â H İx ÄÑOK« `â~Ú. H ~° «QÍ L#"J=ã"~°" ÿ#
ã"Ç" Ü« Ñ" _»`â~Ú. OEÑ"[Ä r=# OEÑ"= }'ê÷~Úx, =ã" İ <â}°` «#
^ÄÇ"İ^~Ñ" _»`â~Ú.
- x D OEH Ok HÍ~°}İÄ =Ä# ZQÆ = `« Ä =ÚY°" ÿ#q.
ZQÆ = `« Ä L`«Êuİx, L^Ä°y`«# , P^€Ü« Ä# = \$kú KÖ'êİ~Ú. Ñ"
HÍ~°}= =Ü`â~Ú. =#~° Ä J# Ñ"Ü«ÚHõİ qxÜ QÆO. q^Õj = ~°Hõ OE^
x Éèİ~°`«^Õâ OÖ• OEÑ"Éèí `« "OEÃÑ."Õ@ ~°OQÍÄ Ô~O_» q^Õj
OE>Ë_çOQ HÍ~ Ê ~+`<£, q #~°Öòû = iÜ«Ú " @Öòû OE>Ë_çOQ HÍ
L^€Ç"İ~°}Ä . OEÃÑ."Õ@ ~°OQÆO Ô~_ô"Ö _£ ^ã" İÄ , ~°OQÆ
=O\ q ZQÆ = u KÕÜ« |_»`â~Ú. qq^è– =,Ä^è–# =ã" İ=ÜÅ# kQÆ

áê~îâ°Oâ OEÑ"â "Ä 33.2

OEH Ok MİmÄ# Ñ"ÓiOÑ"Ü=Ú

- i) ^ÕjÜ« ã"Ñ"jÜü H = iÜ«Ú = ^è–° L#" Ö•@ # kQÆ
- ii) ^ÕjÜ« L`«Êuİ <â}°`«# KÕÜ« _®xH ZQÆ = `« Ä ã"Ç
- iii) ZQÆ = `« Ä = iÜ«Ú Ä# ÄÑOK« `â~Ú.
- iv) ZQÆ = `« Ä ã"OáêkOK«_®xH =ÚY° = ~°æO.
- v) Éèİ~°`«^Õâ OÖ• = iÜ«Ú ~°OQÍÄ Ô~O_
x= QÆ"" ÿ<â~Ú.

33.6q^Õj "á°áê~° <õÄ~° Ê

q^Õj "á°áê~° <õÄ~° Ê = #O UO ZQÆ = u KÖ'êİO, UO kQÆ = u KÕã"

Z. kQÆ = `« Å ‹õÄ~° Ê

= #O W` «~° ^ÕâßÅ # O_ç H # QÀÅ KÕ_ã =ã" Î=ÙÅ# kQÆ = u ‹õÄ~° Ê
 = # ^Õâ O Œáê^ä-q HõOQÍ =°= 'ê~ÚHõ ^Õâ O. áêiŒâßq Hõ ~°OQÆO JO
 H ~° «‹õ ^€ifã Ok. HÍ~°}O JkèHõ QÀ^è- = Ñ"O_çOKÕ ŒáêO`åÅ áêH 'ê
 # O_ç PÇ" ~° ^è€<å°Å W` «~° =ã" Î=ÙÅ ÑÑ^~ì " Ú`åÎÄÖ• kQÆ = u KÕã" H
 ŒáêO`åÅ ‹õÄ_® Z‹õ =QÍ áêH 'ê<£Ö• qb#O KÕÜ« |_®~Ú. nx =Åj =Ú
 kQÆ = u KÕã" ‹õ <å"=Ú.

QÆ` « H x" ã"O= `« û~åÅ Jaè=\$kú =Åj ^Õâ OÖ• kQÆ = `« Å ‹õÄ~° ÊÖ• C
 'êkèOKåÅO>Ë, q +`#s, ~°"å}l 'ê^è-<åÅ , =Ú_çÑ" ^€~å÷Å , ÔHq HõÖòû = ~
 =O\ =, Å^è-# =ã" Î=ÙÅ kQÆ = u KÕã" ‹õ <å"=Ú. nx =Åj PÇ" ~° ^è€<å°Å ^
 kQÆ = `« Å `«QÍæ~Ú. ŒÑ"ã" Î «O PÇ" ~° Ñ" ^€~å÷Å L`«ÊuÎÖ• = #O ã"
 Z‹õ =QÍ =, Å^è-# =ã" Î=ÙÅ , " @Öò = iÜ«Ú q #~°Öòû, ÔHq HõÖòû = iÜ«
 = iÜ«Ú Å ŒáêHõO`åÅ -Ö .#q. = # Pi÷Hõ =°=ã"÷ Jaè=\$kú J=ã"~åÅ# f~° Ú
 KÕã" ‹õ O@ <å"O.

=ã" Î=ÙÅ ŒQÆ Ñ"Ú "ås ‹õÄ~° Ê - Éèl~° «^Õâ kQÆ = `« Å

Ñ" \ ìHõ 33.1 = #^Õâ kQÆ = `« Å ‹õÄ~° Ê, 1995-96 ã"O= `« û~åxH ã"O

Ñ" \ ìHõ 33.1 Éèl~° «^Õâ kQÆ = `« Å ‹õÄ~° Ê (âß` «O "å\l)

=ã" Î ŒQÆ Ñ"Ú		ã"O= `« û~°O 1995-96	
1.	PÇ" ~° = iÜ«Ú J# O^è- L`«Ê` « ÎÅ		3.6
2.	Ñ" Ó°Ü« Öò, qQ(20.6)	23.0	
3.	ÑÑ¶iìÖ .* ~° j		4.6
4.	_ÑÑ"~° É•~° ¶, = °# °á¶êHõÛ~° j, # °ã ŒÑ O\ò		1.3
5.	=, Å^è-# =ã" Î=ÙÅ		27.8
6.	W` «~° Å , g\ Ö•		23.5
	- ÔHq HõÖòû (9.9)		
	- W# =Ú = iÜ«Ú L‹õ - (3.7)		
	- =Ú`å°Å , qÅ " .# ~åà § (5.7)		
7.	J=sæHõ\$` « =ã" Î=ÙÅ		16.2
	" Ú`«ÎO	100.0	

1. $P\zeta \sim^\circ = i\ddot{U}\langle \acute{U} J\# |O^\wedge\grave{e}- L^\circ \langle \acute{E}^\circ \langle \acute{I}\acute{A}$

$H\acute{I}\ddot{U}\langle \wedge^\circ \in \langle \acute{a}^\circ \acute{A} , \tilde{N}^\circ \tilde{N}^\circ C^\wedge \in \langle \acute{a}^\circ \acute{A} , r_\zeta \tilde{N}^\circ \tilde{N}^\circ C , =O@ \# < \acute{A} " \acute{U}\sim \acute{A}Q\acute{A}E =$
 $96 = \tilde{a}^\circ O = \langle \hat{u} \sim^\circ O\ddot{O} \bullet D \tilde{a}^\circ = , \zeta \tilde{I}\ddot{O} " \acute{U}^\circ \langle \acute{I}\ddot{O} ZQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet 3.6 \hat{\beta}^\circ \langle O " \acute{a}\ddot{I}\# H$

2. $\tilde{N}^\circ \acute{O}^\circ \ddot{U}\langle \ddot{O}^\circ$

$\acute{E}\acute{A}Q\acute{A}E \acute{a} = i\ddot{U}\langle \acute{U} \tilde{N} .F.Z\ddot{O}^\circ (\tilde{A}\tilde{N}\acute{O}E\backslash e\ddot{U}\langle O , P\sim \acute{U}\ddot{O}^\circ = i\ddot{U}\langle \acute{U} \acute{A} \acute{O}e\acute{A}\acute{O}H\acute{O} \langle$
 $'\acute{e}^\circ \langle \acute{O}\acute{O}E^\circ \acute{a}^\circ \#\#\acute{O}^\circ \langle \sim^\circ O \acute{a}\acute{e}\acute{i}\acute{O}e\acute{a}\hat{\beta}q H\ddot{o} = i\ddot{U}\langle \acute{U} " \acute{a}^\circ \acute{a}\acute{e} \sim^\circ = \$k\acute{u} = \acute{A}j D \tilde{N} .F.Z\ddot{O}^\circ$
 $\wedge \ddot{O}j\ddot{U}\langle L^\circ \langle \acute{E}u\acute{I} \tilde{a}^\circ \acute{a}\acute{E} \sim^\circ . \acute{O}E\tilde{N}^\circ \tilde{a}^\circ \acute{I}^\circ \langle O = \#^\circ \tilde{O}\hat{a} O D \tilde{A}\tilde{N}\acute{O}E\backslash e\ddot{U}\langle O = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A}\# \acute{A}$
 $" \acute{U}^\circ \langle \acute{I}\ddot{O} kQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet Wk SkO@ XH\ddot{o} = O^\circ \langle H\ddot{o} < \acute{a}^\circ Z\langle \ddot{o}^\circ = " \acute{a}\ddot{I}\# H\ddot{o}e\acute{a} LO$
 $= i\ddot{U}\langle \acute{U} \tilde{N} .F.Z\ddot{O}^\circ H\ddot{o}e\tilde{N} " \acute{U}^\circ \langle \acute{I}\ddot{O} kQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet 23 \hat{\beta}^\circ \langle O " \acute{a}\ddot{I}\# H\ddot{o}e\acute{a} L < \acute{a}^\circ$

3. $Z \sim^\circ = \acute{U}\acute{A}$

$=^\circ = '\acute{e}\ddot{U}\langle \sim^\circ OQ\acute{I}xH Ju = \acute{U}Y^\circ " \ddot{y}\# L^\circ \acute{a}\acute{E}k^\circ \langle = \acute{U} Z \sim^\circ = \acute{U}\acute{A} . = \#^\circ \tilde{O}j\ddot{U}\langle Z \sim^\circ$
 $H\ddot{o} < \acute{a}^\circ " \langle \langle \ddot{o}^\circ = Q\acute{I} LOk. D = \tilde{a}^\circ \acute{I} \tilde{a}^\circ = , \zeta \tilde{I}\ddot{O} " \acute{U}^\circ \langle \acute{I}\ddot{O} kQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet 4.6\% " \acute{a}\ddot{I}\# H$

4. $\zeta \tilde{N}\tilde{N}^\circ \sim \ddot{u} \acute{E} \bullet \sim^\circ \rtimes L^\circ \langle \acute{E}^\circ \langle \acute{I}\acute{A} = i\ddot{U}\langle \acute{U} \# ^\circ \tilde{a} \acute{O}E\tilde{N} O\backslash^\circ$

$1995-96 \tilde{a}^\circ O = \langle \hat{u} \sim^\circ O\ddot{O} \bullet g\backslash " \acute{a}\ddot{I} " \acute{U}^\circ \langle \acute{I}\ddot{O} kQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet 1.3\% Q\acute{I} LOk.$

5. $= , \acute{A}^\wedge \grave{e} - \# = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A}$

$= , \acute{A}^\wedge \grave{e} - \# = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A}O^\wedge \ddot{U}\langle O\acute{O}E^\circ \acute{a}\acute{A} , \sim^\circ " \acute{a}\ddot{I} L\tilde{N}^\circ H\ddot{o} \sim^\circ \ddot{I}\acute{A} , Z\acute{A}\acute{O}E\acute{H}\acute{I}xH\pm =$
 $"\tilde{O}Q\acute{A}EOQ\acute{I} Ja\acute{e} = \$k\acute{u} K O^\wedge \langle \# " \acute{E}\acute{e}\acute{I} \sim^\circ \langle Pi \div H\ddot{o} =^\circ = \tilde{a}^\circ \div \ddot{O} \bullet \tilde{A}\tilde{N} \sim^\circ Q\acute{A}E \langle \# " g$
 $kQ\acute{A}E = u " \acute{a}\ddot{I} " \acute{U}^\circ \langle \acute{I}\ddot{O} kQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet \tilde{A}\tilde{N} \sim^\circ Q\acute{A}E \langle < \tilde{O} LOk. 1995-96 = \tilde{a}^\circ C$
 $< \acute{a}e\acute{a}O@ X H = O^\circ \langle H\ddot{o} < \acute{a}^\circ Z\langle \ddot{o}^\circ = Q\acute{I} , 27.8 \hat{\beta}^\circ \langle O " \acute{a}\ddot{I}\# Wq H\ddot{o}e\acute{a} L < \acute{a}^\circ \sim \acute{U}.$

6. $W^\circ \langle \sim^\circ = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A}$

$D = \tilde{a}^\circ \acute{I} \tilde{a}^\circ = , \zeta \tilde{I}\ddot{O}\ddot{O} \bullet \acute{O}Hq H\ddot{o}\ddot{O}^\circ \hat{u} , = \acute{U}^\circ \acute{a}^\circ \acute{A} = i\ddot{U}\langle \acute{U} J = \acute{A}^\circ " \ddot{y}\# \sim \acute{a}\hat{a} \$, W$
 $\tilde{A}\tilde{N}\P\acute{O}E \sim^\circ \tilde{a} " @ \ddot{O}^\circ \acute{U} \sim \ddot{O} .\#q LO\ddot{I} \sim \acute{U} . 1995-96 \ddot{O} \bullet " \acute{U}^\circ \langle \acute{I}\ddot{O}\ddot{O} \bullet g\backslash " \acute{a}\ddot{I} 23.5 \hat{\beta}^\circ$

7. $J = s\acute{a}eH\ddot{o}\$^\circ \langle = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A}$

$\tilde{A}\tilde{N} \cdot \# = s\acute{a}eH\ddot{o}iOz\# H\acute{I}^\circ @ys\acute{A}\ddot{O} \bullet H \sim \acute{a}x J < \tilde{O}H\ddot{o} = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A} \langle \ddot{o}\ddot{A}_\text{\textcircled{R}} kQ\acute{A}E =$
 $kQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet 1995-96 = \tilde{a}^\circ O = \langle \hat{u} \sim^\circ O\ddot{O} \bullet g\backslash " \acute{a}\ddot{I} 16.2 \hat{\beta}^\circ \langle O.$

a. $ZQ\acute{A}E = \langle \acute{A} \langle \ddot{o}\ddot{A} \sim^\circ \acute{E}$

$= \#^\circ \tilde{O}\hat{a} O W^\circ \langle \sim^\circ \wedge \tilde{O}\hat{\beta}\acute{A}\langle \ddot{o} J^\circ \tilde{O} , = \tilde{a}^\circ \acute{I} = \acute{U}\acute{A}\# ZQ\acute{A}E = \langle \acute{A} \langle \ddot{o}\ddot{A} \sim^\circ \acute{E} JO\ddot{I}$
 $ZQ\acute{A}E = \langle \acute{A}\ddot{O} \bullet \acute{O}E\tilde{N}^\circ \wedge^\circ \in \#OQ\acute{I} =^\circ = '\acute{e}\ddot{U}\langle L^\circ \langle \acute{E}^\circ \langle \acute{I}\ddot{O} \cdot \# , \ddot{O}\ddot{U}\langle \langle \ddot{o} , \tilde{a}^\circ Q\acute{A}EO\wedge$

LO_Öq. ÃÑ~\ " Ú`áÎÄÖ• # Ä =OE'êÎÄ = iÜ«Ú [Ñ~\<á~° L`«Ê`« ÎÄ# <öÄ_®
 =°=ã~÷ áêiOEâßq H©Hõ~°} K O^_»O`Ä = # ZQÆ = `« Ä <öÄ~° ÊÖ• = ~° ÊÄ
 KÕã # J<ÖHõ =Ú_ç Ñ~\^€~á÷Ä# OEÑ~\ã" Î«O = # ^Öâ OÖ• # `«#OQÍ 'ê÷Ñ
 ZQÆ = `« ÄÖ• =Ú_ç Ñ~\^€~á÷Ä "ã\ `«yæ, `«Ü« Ô~. # =ã" Î=ÜÄ "ã\ ÃÑiy
 = iÜ«Ú W`«~° =ã" Î=ÜÄ ZQÆ = `« ÄH J<ÖHõ K«~°Ä fã" <ö <á"~° . = # ZQ
 Jx"á~°" yOk. Ñ~\e`«OQÍ, HÍÖ\# QÆ }OQÍ = # ZQÆ = `« ÄÖ• J<ÖHõ H
 " Ú`áÎÄÖ• Ü« OOE`áÄ , ~°"ã\ LÑ~\Hõ~°}ÎÄ , ÔHq HõÖòû, ã"O|OkèHõ L`«Ê`«
 L`«Ê`« ÎÄ ZQÆ = u KÕã" Î<á"=Ú. JO`ÖQÍHõ HÍ@<£ á~\êOEaH±, `ÖÜ« <ö
 " Ú~Ö .#q <öÄ_® ZQÆ = u KÕã" Î<Ö L<á"~Ü.

=ã" Î ã"=,Ç~\Ö "ás / Êè~°`« ZQÆ = `« Ä <öÄ~° Ê

Ñ~\ ìHõ 33.2 `Ä = # ZQÆ = `« Ä <öÄ~° Ê 1995-96 <ö ã"O|OkèOz# q=~

Ñ~\ ìHõ 33.2 Êè~°`«^Öâ ZQÆ = `« Ä <öÄ~° Ê (âß`«O "ã\

=ã" Î ã"=,Ç~\Ö		ã"O=`«û~°O 1995-96
1.	=°='êÜ« = iÜ«Ú J# O^è– L`«Ê`« ÎÄ	19.2
2.	Ö•Ç" Ä = iÜ«Ú Yx*ÎÄ	3.7
3.	L`«ÊuÎ KÕã # =ã" Î=ÜÄ , JO~ Ö• - =OE*ÎÄ = iÜ«Ú #QÆÄ (16.6) - # Ä , á~\ê°OEaH± `«Ü« sÄ (8.1) - Ô~_ô"Ö _£ QÍÔ~, @ i (11.6) - Ç" O_ôOEHÍÑ~\Üìû (3.5)	75.4
4.	OE<öÄ_» = iÜ«Ú ÃÑOE\•eÜ« O L`«Ê`« ÎÄ	1.4
5.	W`«~áÄ = iÜ«Ú =sæHõ\$`« =ã" Î=ÜÄ " Ú`«ÎO	0.3 100

1. =°='êÜ« = iÜ«Ú J# |O^è– L`«Ê`« ÎÄ

D =ã" Î ã"=,Ç~\ÖÖ• `ÖÜ« <ö , HÍÑ~\, HÍÜ« ^è€<á°Ä , ã" QÆEO^è– OE
 Ñ~\à §, <öÄ~°QÍÜ« Ä , ã"=ÚOE^ L`«Ê`« ÎÄ , =Ú_çÑ~\uÎ " Ú~Ö .#q LO\~Ü
 ZQÆ = `« ÄÖ• D =ã" Î=ÜÄh" 19% "ã\# Hõeæ LOk.

2. $\ddot{O} \cdot \zeta \ddot{A} = i\ddot{U} \ll \acute{U} Yx^* \ddot{I} \ddot{A}$

$D = \ddot{a} \ddot{I} \ddot{a} = , \zeta \ddot{I} O \ddot{O} \cdot = \acute{U} _ \zeta W \# = \acute{U}$, $\hat{a} \acute{k} \acute{u} K \ddot{O} \ddot{U} \ll _ \zeta \# Yx^* \ddot{I} \ddot{A}$, $W \ll \sim^\circ \ddot{O}$
 $L O \ddot{I} \sim \acute{U}$. " $\acute{U} \ll \hat{I} O = \# ZQ\mathcal{A}E = \backslash \ll \mathring{A} \ddot{O} \cdot 3.7 \hat{a} \beta \backslash \ll O " \hat{a} \ddot{I} \# 1995-96 = \ddot{a} \ddot{O} = \backslash \ll \hat{u} \sim^\circ$

3. $L \ll \hat{E} u \hat{I} K \ddot{O} \ddot{U} \ll _ \zeta \# = \ddot{a} \ddot{I} = \acute{U} \mathring{A}$

$\backslash \hat{A} \hat{a} _ = i\ddot{U} \ll \acute{U} \backslash \hat{A} \hat{a} _ \S L \ll \hat{E} \ll \hat{I} \mathring{A}$, $= \mathcal{O} E^* \ddot{I} \mathring{A} = i\ddot{U} \ll \acute{U} \# Q\mathcal{A}E \mathring{A}$, $\ddot{U} \ll O \mathcal{O} E \backslash \hat{a} \mathring{A}$,
 $= \ddot{a} \ddot{I} = \acute{U} \mathring{A}$, $= \sim \wedge \mathring{A}$, $\acute{a} \P \hat{e} \sim \hat{a}, \hat{a} @ ^\circ H \ddot{o} \ddot{O} \ddot{u}$, $H \acute{I} @ < \mathcal{E} \ddot{U} \ll \sim^\circ < \mathcal{E} = i\ddot{U} \ll \acute{U} \acute{a} \P \hat{e} ^\circ \mathcal{O} E a H \mathring{A}$
 $g \backslash \ddot{O} \cdot L O _ \gg \#$. $1995-96 = \ddot{a} \ddot{O} = \backslash \ll \hat{u} \sim^\circ O \ddot{O} \cdot D \mathcal{O} E Q\mathcal{A}E \ddot{N} \ddot{U} 75.4\%$ ($\wedge \mathcal{E} \wedge \mathcal{E} \ddot{N} \ddot{U} 3$
 $\mathcal{O} E Q\mathcal{A}E \ddot{N} \ddot{U} \ddot{O} \cdot J \ll ^\circ k \hat{e} H \ddot{o} " \hat{a} \ddot{I} = \mathcal{O} E^* \ddot{I} \mathring{A} = i\ddot{U} \ll \acute{U} \# Q\mathcal{A}E \mathring{A}$, $\hat{O} \sim \hat{o} " \ddot{O} _ \mathcal{E} \wedge \ddot{a} \ddot{I} \mathring{A} H$
 $11.6\% = \sim^\circ \ddot{a} \ddot{Q} \acute{I} " \acute{U} \ll \hat{I} O ZQ\mathcal{A}E = \backslash \ll \mathring{A} \ddot{O} \cdot H \ddot{o} e \mathring{a} L < \hat{a} \sim \acute{U}$.

4. $\mathcal{O} E \langle \ddot{o} \ddot{A} _ \gg = i\ddot{U} \ll \acute{U} \mathring{A} \ddot{N} \mathcal{O} E \backslash \cdot e \ddot{U} \ll O L \ll \hat{E} \ll \hat{I} \mathring{A}$

" $\acute{U} \ll \hat{I} O \acute{E} \hat{e} \ddot{I} \sim^\circ \ll \wedge \ddot{O} \hat{a} ZQ\mathcal{A}E = \backslash \ll \mathring{A} \ddot{O} \cdot X H \ddot{o} \ddot{N} \ddot{C} _ \gg D \mathcal{O} E Q\mathcal{A}E \ddot{N} \ddot{U} \mathcal{O} E \ddot{N} \ddot{U}$
 $i \mathring{A} \ddot{N} \P \cdot \# s \mathring{A} x i, O K \ll _ \gg O \backslash \hat{A}$, $" \hat{a} \backslash ZQ\mathcal{A}E = \backslash \ll \mathring{A} \mathcal{O} E \acute{a} \hat{e} = \acute{U} Y^\circ \ll \backslash \ll y \mathring{a} e O k. 1995-96 \ddot{O} \cdot$

5. $W \ll \sim^\circ J = s \mathring{a} e H \ddot{o} \$ \backslash \ll = \ddot{a} \ddot{I} = \acute{U} \mathring{A}$

$\mathring{A} \ddot{N} \cdot \# W = " _ \zeta \# \ddot{a} = , \zeta \ddot{I} = \acute{U} \mathring{A} \ddot{O} \cdot H \ddot{o} \mathring{A} \ddot{N} \ddot{x} = \ddot{a} \ddot{I} = \acute{U} \mathring{A} \# D \ddot{a} = , \zeta \ddot{I} O \ddot{O} \cdot K \ddot{O} \sim$
 $g \backslash " \hat{a} \ddot{I} K \hat{a} \ddot{O} \ddot{I} \ddot{a} \ddot{I} \mathring{A} \mathcal{E} O Q \acute{I}$, $H = \mathring{A} O 0.3\%$ $" \hat{a} \ddot{I} \# = \mathcal{O} E \ll " \ddot{O} 1995-96 = \ddot{a} \ddot{O} = \backslash \ll \hat{u} \sim^\circ$

$H x \ddot{I} J O \hat{a} \beta \mathring{A} \# _ \backslash \hat{I} \acute{E} \hat{e} \ddot{I} \sim^\circ \ll \wedge \ddot{O} \hat{a} ZQ\mathcal{A}E = \backslash \ll \mathring{A} \langle \ddot{o} \ddot{A} \sim^\circ \hat{E} q \wedge \hat{e} - O " \# H \ddot{o} _ \zeta \#$
" $\# H \ddot{o} _ \zeta \# \wedge \ddot{O} \hat{a} O$, $\mathcal{O} E \acute{a} \hat{e} \wedge \hat{a} - q H \ddot{o} O Q \acute{I} = ^\circ = ' \hat{e} \ddot{U} \ll \sim^\circ O Q \mathcal{A} E O q \wedge J k \hat{e} H \ddot{o} O Q \acute{I} P$
' $\hat{e} \wedge \hat{e} \in \sim^\circ \} O Q \acute{I} = ^\circ = ' \hat{e} \ddot{U} \ll H \ddot{o} = \ddot{a} \ddot{I} = \acute{U} \mathring{A} \# ZQ\mathcal{A}E = u K \ddot{O} \ddot{a} \ddot{I}$, $L \ll \hat{E} u \hat{I} K \ddot{O} \ddot{a} \# = \ddot{a} \ddot{I} =$
 $Q\mathcal{A}E \ll O \ddot{O} \cdot \acute{E} \hat{e} \ddot{I} \sim^\circ \ll \wedge \ddot{O} \hat{a} O \langle \ddot{o} \ddot{A} _ \mathcal{R}$, $\mathcal{O} E \acute{a} \hat{e} \wedge \hat{a} - q H \ddot{o} L \ll \hat{E} \ll \hat{I} \mathring{A} \# ZQ\mathcal{A}E = u K \ddot{O} \ddot{a} \ddot{I}$
 $J \sim \acute{U} \ddot{O} \acute{E} \hat{e} \ddot{I} \sim^\circ \ll \acute{a} \hat{e} i \mathcal{O} E \hat{a} \beta q H \acute{I} \mathring{a} \hat{e} = \$ k \acute{u} " \ddot{O} Q \mathcal{A} E O Q \acute{I} [\sim^\circ Q \mathcal{A}E _ \gg O \backslash \hat{A}$, $= \# ZQ\mathcal{A}E = \backslash \ll$
 $\ddot{O} \ddot{U} \ll \langle \ddot{o}$, $H \acute{I} \ddot{N} \P \cdot$, $a \ddot{U} \ll ^\circ O$, $\ddot{a} \ddot{I} Q \mathcal{A} E O \wedge \hat{e} - \mathcal{O} E \wedge - " \hat{a} ^\circ \mathring{A} = O \backslash " \hat{a} \backslash ZQ\mathcal{A}E = \backslash \ll \mathring{A} W \ddot{N} \ddot{E}$
" $\hat{a} \backslash " \hat{a} \ddot{I} \mathcal{O} E H \ddot{o} = O Q \acute{I} \backslash \ll Q \mathcal{A}E \mathring{a} \mathring{A} O k. \mathcal{O} E \ddot{N} \ddot{a} \ddot{I} \hat{a} x H \acute{E} \hat{e} \ddot{I} \sim^\circ \ll ZQ\mathcal{A}E = \backslash \ll \mathring{A} \ddot{O} \cdot W$
 $\hat{O} \sim \hat{o} " \ddot{O} _ \mathcal{E} \wedge \ddot{a} \ddot{I} \mathring{A} \zeta \ddot{I} O \hat{o} \mathcal{O} E H \acute{I} \ddot{N} \P \hat{I} \hat{u} \backslash \hat{A} \acute{a} \hat{e} @ = \acute{U} \hat{a} ^\circ \mathring{A}$, $= \mathcal{O} E^* \ddot{I} \mathring{A}$, $\# Q\mathcal{A}E \mathring{A}$, \acute{C}
 $e \hat{a} \ddot{I} \ddot{O} \cdot J k \hat{e} H \ddot{o} " \hat{a} \ddot{I} \# = , \mathring{A} \wedge \hat{e} - \# = \ddot{a} \ddot{I} = \acute{U} \mathring{A}$, " $+ \ddot{I} \# s$, $\mathring{A} \ddot{N} \mathcal{O} E \backslash \cdot e \ddot{U} \ll O = i\ddot{U} \ll \acute{U} \mathring{A} \ddot{N}$
 $= i\ddot{U} \ll \acute{U} L \langle \ddot{o} \ddot{I}$, $\hat{O} H q H \ddot{o} \ddot{O} \ddot{u} \backslash \ll k \backslash \ll \sim^\circ = \acute{U} \mathring{A} H \ddot{o} \mathring{A} = \acute{U}$. $W q P i \acute{u} H \acute{I} \mathring{a} \hat{e} = \$ k \acute{u} H P \mathring{z} \ddot{N}$
 $\langle \ddot{o} \ddot{A} \sim^\circ \hat{E} \ddot{O} \cdot x = \sim^\circ \hat{E} \mathring{A} = \# P i \div H \ddot{o} = ^\circ = \ddot{a} \ddot{I} \div x \sim \hat{a} \} O \ddot{O} \cdot x = \sim^\circ \hat{E} \mathring{A} \# \mathcal{O} E \ddot{N} \ddot{u} a O a ' \hat{e} \hat{I} \sim^\circ$
 $J a \hat{e} = \$ k \acute{u} K O \wedge \backslash \hat{A} O k.$

QÆ ~° ÎOK« HÀ=Ãã # JOâßÃ

- x q^Õj "â°áê~° <õÄ~° Ê ZQÆ = `« Å - kQÆ = `« Å <õÄ~° Ê# ã" zã"
- x Pi÷Híàè=\$kú HÍ~°}OQÍ = # ZQÆ = `« Å- kQÆ = `« Å <õÄ~° ÊÖ• =
- x = # kQÆ = `« ÅÖ• JkèHõ "ãl# Ñ"Ó°Ü« Öò, =,Å^è-# =ã" Î=ÜÅ ,
HõeyÜ«Ú#"q. kQÆ = `« ÅÖ• JkèHõ ÉèÏQÆO L`«ÊuÎ KÕÜ« |_ç#
- x ÆÑ"ã" Î ãxH , ÉèÏ~° «^Õâ O WO[hiOQ =ã" Î=ÜÅ , `ÕeHõáê\ Ü<
Ç" O_ô ÆHÍÑ¶ ìû, =Æ*ÏÃ , #QÆÅ " Ú~Ö .# "ã\ x ZQÆ = u KÕ
- x ZQÆ = `« Å - kQÆ = `« ÅÖ•x = ~° ÊÅ Pi÷Hõ =°=ã"÷ x~ã,}OÖ•x =

áê~îâ°Oâ ÆÑ"â "Ã 33.3

- i) 1995-96 Ö• " Ú`«ÎO kQÆ = `« ÅÖ• ÑÑÆ\•eÜ« O L`«Ê`« ÎÅ "ãl
- ii) 1995-96Ö• " Ú`«ÎO kQÆ = `« ÅÖ• =,Å^è-# =ã" Î=ÜÅ "ãl
- iii) 'ê"«OÆ`«° HÍÅO <ã\ H ÉèÏ~° «^Õâ O ÆÑ"âè€#OQÍ =ã"
- iv) ÉèÏ~° «^Õâ OÖ• =ÚY" ÿ# L`«ÊuÎ KÕÜ« |_ç# =ã" Î=Ü
- v) 1995-96Ö• " Ú`«ÎO ZQÆ = `« ÅÖ• L`«ÊuÎ KÕÜ« |_ç# =ã" Î=ÜÅ "ãl â

33.7q^Õj "â°áê~° kâ

ÉèÏ~° «^Õâ O UU ^ÕâßÃ<õ =ã" Î¿ã=Å ZQÆ = u KÕã" ÎOk? UU ^ÕâßÃ ;
q^Õj "â°áê~° kâ q=iã" ÎOk. kâ JO>Ë = # ZQÆ = `« Å ZHõ_çH KÕ~°
kQÆ = `« Å =ã" Î<ã"Ü `e¿Ñk. 'ê"«OÆ`â°xH Ñ"Ó~°"O, J#QÍ ÆEa\©+ Ñ"íá
âß`«O ÆEa@<£`À<Õ [i Qk. HÍ\ ìã OÇ"Ï ÉèÏQÆO ÆÑ"âè€#OQÍ =ã"
##O`«~°O H`«Î"ã} [°ã"O|O^è€Å U~°Ê_®~Ú. WÑ"C_» = #õ J`«°kèHõ
J=`«iOzOk. `«~ã"u 'ê÷<ãÖ•i [~°,h, [áê<£, Ü«Ú.ÔHÅ QÆÅ=Ü. = #O W`«~°
ÑÑOK« H <Õ ÆÑ"Ü« `ã"Å KÕã" Î<ã"=Ú. = #O WÑ"C_» ÉèÏ~° «^Õâ ZQÆ
K«^ =Ü^€O.

Z. ÉèÏ~° «^Õâ kQÆ = `« Å kâ

kQÆ = `« Å kâ J#QÍ UU ^ÕâßÃ # O_ç = #O kQÆ = `« Å KÕã" Î<ã"
= #õ ÆÑ"âè€# ZQÆ = u^€~° ÆEa@<£. 'ê"«OÆ`â°xH Ñ"Ó~°"O, J#QÍ ÆEa\©+ Ñ"íá
[áê<£Å # O_ç kQÆ = `« Å KÕã" <õ O@ <ã"=Ú.

Ñ" \ ìHõ 33.3 = # kQÆ = ` « Å = ~åæÅ • 1995-96 <õ ã"O|OkèOz# q=~å

Ñ" \ ìHõ 33.3

Éèl` « ~° ^ Õâ kQÆ = ` « Å kâ ("ål` âß` « =Ú)

	^ Õâ =Ú	ã"O= ` « û~°O (1995-96)
1.	Ü«Ú.ÕH	5.29
2.	[~°,h	8.63
3.	W` « ~° Ü« , ~ÀÑ Ü« <£ ^ ÕâßÅ	12.20
4.	Ü«Ú.Zã .Z	10.53
5.	[áê<£	6.63
6.	~°ëê°	2.35
7.	W` « ~° ` « ~° Ê Ü« , ~ÀÑ	1.06
8.	OPEC	20.99
9.	W` « ~° Jaè=\$kú K O^— ` « #” ^ ÕâßÅ	18.32
10.	W` « ~° Å	13.30
	" Ú` « ÎO	100.00

X HXHõ ^ Õâ OQÍ, Éèl` ~° « ^ ÕâßxH OEN` ^ è€# 1995-96 QÆ = u J=HíâßÅ , W [áê<£ « ÚÀÑÜ#q<£ ^
 10.5%QÍ LOK. W` « ~° OEN` ^ è€# kQÆ = u J=HíâßÅ , W [áê<£ « ÚÀÑÜ#q<£ ^
 Pã Ü« YO_ » OÖ• , = #<õ OEN` ^ è€# kQÆ = ` « ÅOkOKÕ ^ Õâ O [áê<£.
 kQÆ = ` « ÅÖ• D ^ Õâ Ñ" Ò "ål` 6.6% XHÍ< HõÑ" C_ » Éèl` ~° « ^ ÕâßxH OEN`
 OEHõ= OEHõ= OQÍ nx "ål` ` « yæ, " Ú` « ÎO Éèl` ~° « kQÆ = ` « ÅÖ• 2.3% "ål` <õ
 Ü« , ~° Ñ ^ ÕâßÖ .# ~° "Õ xÜ« , áÈÖ O_£, Ç" ÎOÔQi " Ú^— ÅQÆ #” q 1.06% "
 L<å” ~Ú.

ÃÑ~° QÆ = ` « ÅÖ• D ^ Õâ Ñ" Ò "ål` 6.6% XHÍ< HõÑ" C_ » Éèl` ~° « ^ ÕâßxH OEN`
 OPEC(P~°æ<Õ*Ë+” <£ PÑ¶ ÃÑO\•eÜ« O ZH±ûáÈiÊOQ HõOÖ\©ã) Ö• 'd
 ^ ÕâßÅ O\~Ú. = #^ Õâ " Ú` « ÎO kQÆ = ` « ÅÖ• g\ "ål` 1995-96 = ã"O= ` « û~°

W` « ~° Jaè=\$kú K O^— ` « #” ^ ÕâßÅ PÆÑ¶ HÍ L` « Î~° J” iHÍÅÖ•x Jaè=\$
 ^ ÕâßÅÖ• = #O "å°áê~° ã"O|O^è€x” qã” Í\$` « O KÕã” <å” =Ú. D ^ ÕâßÅ 18.3%
 1995-96 = ã"O= ` « û~° OÖ• Hõeæ L<å” ~Ú.

a. Éèĭ~° «^Õâ ZQÆ = ` « Å kâ

'ê“ «OÖ`å°xH Ñ"Ó~°“O = # ZQÆ = ` « ÅÖ• JkèHõ âß` «O Æa@<£‹õ Ñ
 " Ú` «ÎO "å°áê~°OÖ• OEs@J<£°åHõyæĭ, Hõey# UÔH·Hõ H # QÀÅ ^€~° ^Õ.
 1995-96 = ã"O= ` «û~åxH ã"O|OkèOz# = # ZQÆ = ` « Å QÆ= °Å# Ñ"ĭ\

Ñ"ĭ\ ìHõ 33.4

Éèĭ` «~°^Õâ ZQÆ = ` « Å kâ ("åĭ âß` «=Ú)

^Õâ O	ã"O= ` «û~°O (1995-96)
1. Ü«Ú.ÔH	6.31
2. [~°,h	6.23
3. W` «~° Ü«~ÀÑ Ü« <£ ^ÕâßÅ	13.89
4. Ü«Ú.Zã .Z	17.34
5. [áê<£	6.96
6. ~°ëê°	3.3
7. W` «~° ` « ~° Ê Ü«~ÀÑ	0.56
8. OPEC	9.64
9. W` «~° Jaè=\$kú K O^~ ` « #” ^ÕâßÅ	25.90
10. W` «~° Å	9.87
" Ú` «ÎO	100.00

USA 17.3% ZQÆ = u "åĭÖ• = # =ã" Ĭ=ÜÅ# JkèHõOQĭH # WÅÚKÖĭã ^
 [~°,h ^ÕâßÅ "åĭÅ ã" = ~° =~° ã"QÍ 7%, 6% = iÜ«Ú 6% QÍ L<å"~Ú. XHõÑ"C
 H # Q Å ^€~° ^Õâ OQÍ L#” ~°ëê°, " Ú` «ÎO "å°áê~°OÖ• ` «# 'ê÷<åx” ` «yæOk
 ZQÆ = ` « ÅÖ• ã" = ~° áê=Ü =O` « (25%) Jaè=\$kú #CO)KÖ~#” «QãßÅ
 1995-96 ã"O= ` «OPEC OÖâßÅ 9.7% "åĭ# = # ZQÆ = ` « ÅÖ• Hõæ L<å"~Ú.

33.8OEN"Ñ"OK« "å°áê~°OÖ• Éèĭ~° «^Õâ "åĭ

ÖEN"Ñ"OK« "å°áê~°OÖ• 1950 # O_ç Éèĭ~° «^Õâ "åĭ (âß` «OÖ•) q=~
 Ñ"ĭ\ ìHõÖ•x " Ú^~\ =~° ã" ÖEHõ= ã"OY° " Ú` «ÎO ÖEN"Ñ"OK« "å°áê~°OÖ•
 Ô~O_» = ~° ã"ÖEHõ= ã"OY° ÖEN"Ñ"OK« "å°áê~°OÖ• Éèĭ~° « ZQÆ = ` « Å
 Éèĭ~° « "å°áê~° "åĭ# =~° ã" ã"OY° =,_» Ö•K« Ñ"ĭ|_çOk. =,_» = ~° ã"Ö• L#
 " Ú^~\ Ô~O_» = ~° ã"Åõ ã"QÆ@ Å .

Ñ" \ ìHõ 33.5

œÑ"Ñ"OK« "â°âê~°OÖ• Éèĭ~° «^Õâ "âĭ (âß`«OÖ•)

	ã"O= `«û~°O ZQÆ = `« ĀQÆ = `« Ā "â°âê~°O		
	(1)	(2)	(3)
1950	1.85	1.71	1.78
1960	1.03	1.69	1.36
1970	0.64	0.65	0.65
1980	0.42	0.72	0.57
1990	0.52	0.66	0.59
1994	0.60	0.63	0.61

Ñ" \ ìHõ 33.5 D œH Ok q= ~âĀ ` Ā Ê` « Ok.

- œÑ"Ñ"OK« ZQÆ = `« ĀÖ• Éèĭ~° « ZQÆ = `« Ā "âĭ 1950 = ã"O= `«û~°O 1980 = ã"O= `«û~°O = ~°õ œHõ= OQÍ<Õ H© } OzOk. J~Ú`Õ D HÍĀO nx J~°÷O HÍĀ . D = ^è~°HÍĀOÖ• Éèĭ~° «^Õâ ZQÆ = `« Ā Ö• = \$kú ~@ Z<õ ~ = QÍ LO~x Wk q=iã" ĪOk. 1980 = ã"O= `«û~°O `«~â" « œ "âĭ œHõ= OQÍ ĀÑ~° QÆ `ÀOk.
- " Ú` «ĪO œÑ"Ñ"OK« kQÆ = `« ĀÖ• Éèĭ~° «^Õâ "âĭ œHõ= OQÍ, XHõ LOk. WHõ_ » <õĀ_® = # kQÆ = `« Ā `«QÆ æ`« <â"Ü« <Õ Éèĭ=# H = \$kú ~@ Hõ<â" Éèĭ~° «^Õâ kQÆ = `« Ā = \$kú ~@ `«<õ ~ = QÍ L<â"Ü
- Ñ" \ ìHõ 33.5 Ö•x = ~° ã" 3 Ö• K« Ñ # q^è~°OQÍ " Ú` «ĪO œÑ"Ñ"OK« "â° ã"O= `«û~°O = ~°õ H© } 'ÈĪOk. Wk H=ĀO " Ú` «ĪO œÑ"Ñ"OK« "â°âê~° = \$kú ~@ `«<õ ~ = QÍ L<â"Ü« x q=iã" ĪOk. 1980 = ã"O= `«û~°O # O_ç œ "â°âê~° "âĭ œHõ= OQÍ = \$kú K O~ `ÀOk.
- " Ú` «ĪO œÑ"Ñ"OK« "â°âê~°OÖ• Éèĭ~° «^Õâ kQÆ = `« Ā "âĭ Hõ<â" œÑ"Ñ"OK« "â°âê~°O " Ú` «ĪOÖ• = #^Õâ O "âĭ KâÖĪ ã"ĀÊO (H=ĀO œÑ"Ñ"OK« "â°âê~°OÖ• = #^Õâ "âĭ# qã"ĪiOK« H <Õ J=HÍâßĀ Z<õ ~ = x W

QÆ ~° ĪOK« HĀ=Āã # JOâßĀ

- x q^Õj "â°âê~° kâ J#QÍ = #O UU ^ÕâßĀ<õ =ã" Ī=ÜĀ# ZQÆ = u K # O_ç =ã" Ī=ÜĀ# kQÆ = u KÕã" <õ O\ĪÜ q=iOKÖk. ê" «Oœ`â Z<õ ~ = "â°âê~°O œEa@<£`À KÕ_ã"â~°=Ú. `«~â"u HÍĀOÖ• D Ñ"iã œÑ"ã" Ī «O = # "â°âê~°OÖ• JkèHõ âß`«O J" iHÍ`À KÕã" Ī<â"=Ú.

- x 1995-96 Ö• = # kQÆ = `« ÄÖ• J" iHÍ # O_ç 10.5% =KaÛ~Ú. Wq 8.6 âß`«O HõÄ=Ú. XÃÑH± ^ÕâßÄ # O_ç 21% kQÆ = `« Ä [iQÍ~Ú. `«QÆ æ`« <â"~Ú. Jaè=\$kú K O^~`« # ^ÕâßÄ # O_ç kQÆ = `«
- x = # OEÑ" ^è€#OQÍ J" iHÍ<õ ZQÆ = `« Ä KÕ'êÎ=Ú. Jaè=\$kú K O ZQÆ = `« Ä ÃÑ~° QÆ `« <â"~Ú. ~°ëê°<õ ZQÆ = `« Ä `«QÆ æ KÕã # ZQÆ = `« Ä 17% HÍQÍ Jaè=\$kú K O^~`« # ^ÕâßÄ<õ KÕ âß`«O.
- x 1994 = ã"O= `«û~°OÖ• OEÑ"Ñ"OK« "â°áê~°OÖ• Éèĭ~°« ^Õâ "â°áê "âĭ JkèHõOQÍ LOK.

áê~îâ°Oâ OEÑ"â "Ä 33.4

OEH Ok MĩmÄ# Ñ"ÓiOÑ"Ù=Ú

- i) 'ê"«OÖ`â°xH Ñ"Ó~°"O JkèHõ "â°áê~°O ^Õâ OÖ• [i
- ii) " Ú`«ÎO ZQÆ = `« ÄÖ• = #O Jaè=\$kú K O^~`« # ^ÕâßÄ<õ
- iii) 1994= ã"O= `«û~°OÖ• " Ú`«ÎO OEÑ"Ñ"OK« ZQÆ = `« ÄÖ• Éèĭ~°« ZQ
- iv) 1994= ã"O= `«û~°OÖ• " Ú`«ÎO OEÑ"Ñ"OK« "â°áê~°OÖ• Éèĭ~°« "â°áê h"Õq <Õ~° Û<õ <â"=Ú

W`«~° ^ÕâßÄ<õ =ã" Î=ÚÄx J= ,_®xH ZQÆ = `« Äh, W`«~° ^ÕâßÄ # O kQÆ = `« Äx JOĭ~° . ZQÆ = `« Ä , kQÆ = `« Ä Ô~O_» q^Õj "â°áê~°OÖ• Z* hûÄ Ô~O_» q^Õj "â°áê~°OÖ• áêÖÁæOĭ~Ú.

XHõ ^ÕâßxH q^Õj "â°áê~°O ZO`À P=â °Hõ=Ú. =ã" Îġã=Ä kQÆ = u Pi÷H Wk ^Õâ OÖ•x OEÑ"[Ä<õ =ã" Î ÄÉèĭ° «# ÃÑOK« `« Ok. Wk OEÑ"[Ä qq^è `Ä_»Ê_» `« Ok. "âi r=# OEÑ"= } 'ê÷~Úx =\$kú KÕã" ÎOk. JO`ÕQÍHõ, ^ÕjÜ« ÃÑOK« _®xH ã"Ç" Ü« Ñ" _ç, áÈ\© fOE= `«# =\$kú KÕã" ÎOk. Pi÷Hõ =°=ã"÷ J Wk L`«Êuĭ, L^À°y`« = iÜ«Ú P^€Ü« Ä ÃÑ~° QÆ ^Ä<õ , =#~° Ä L`«Î= qxÜ Q OE^=° ã"Oáê^~#<õ <õÄ_® Wk ZO`À P=â °Hõ=Ú.

Éèĭ~°« ^Õâ q^Õj "â°áê~° f~°`« # "ÄÖ• QÆ`« H O`«HÍÄOQÍ QÆ}hÜ« Éèĭ~°« ^Õâ O OEáê^ä-q Hõ =ã" Î=ÚÄ# ZQÆ = u KÕã , áêiOEâßq Hõ =ã QÆ}hÜ« OQÍ [~°QÆ_»O`À, ZQÆ = `« Ä - kQÆ = `« Ä "âĭÄÖ• = ~° ÊÄ ã" WO[hiOQ =ã" Î=ÚÄ , =Ú`â°Ä , =OE*ĭÄ , #QÆÄ , Ô~_ç"Õ _£ ^~ã" ÎÄ , " Ú^

WHõ kQÆ = ` « ÅÖ• ÆÑ" ^è€#" ÿ#q q + " #i, ÃÑœ\•eÜ« O = iÜ«Ú ÃÑœ\•eÜ
 ÔHq HõÖòû " Ú~Ö .# = , Å^è-# =ã" Î=ÙÅ HõÅ=Ù. D "å°áê~°OÖ•x Hõ~
 QÆ= <åx" ã" zã" Î<å"~Ú.

Éèl~° « ^Õâ q^Õj "å°áê~°O kâ Ö• ¿Ñ~ ^#~QÆæ = ~° ÊÅ'õ QÆ Ô~.C
 Ü«Ú.ÔH "å\JkèHõOQÍUsQ_JõkHõVãQæ»° "å\QÆÅ ^Õâ OQÍ J= ` «iOzOk. `
 [~°,h, [áê<£ = iÜ«Ú Ü«Ú.ÔHÅ QÆÅ=Ù.

W` «~° ^ÕâßÅÖ• = # "å°áê~° "å\ ÆHõ= OQÍ ÃÑ~° QÆ ` « #Ñ"Ê\ H
 áÈeÛ#Ñ"C_» = #^Õâ "å\ KãÖÏ ã""ÅÊOQÍ LOk. ã"~°mHõ\$` « Pi÷Hõ q^è€<
 "å\Ö• ÃÑ~° QÆ `ÀOk.

áê~îå°O` «~° ÆÑ"â "Å

1. q^Õj "å°áê~° J~å÷x" q=iOÑ"Ù=Ú.
2. Éèl~° « ^Õâ O =O\ ^ÕâßxH q^Õj "å°áê~°O ZO^ 'õ P=â °HõO.
3. 1995-96 = ã"O= ` «û~°OÖ• Éèl~° « q^Õj "å°áê~° f~° ` # "Å ` Å Ê=Ú.
4. 1995-96 = ã"O= ` «û~°OÖ• Éèl~° « ^Õâ q^Õj "å°áê~° QÆ= <åx" q=iO

ã"= ^è€<åÅ

áê~îå°Oâ ÆÑ"â "Å 33.1

i) XÑ"ÛÊ«Ñ"ÛÊÑ"ÛÊ

áê~îå°Oâ ÆÑ"â "Å 33.2

i) ^ÕjÜ«ÃÑOK«_i)P4€Ü« O, L^À)q^Õj = ~°Hõœ^ÆÑÉèl` «“O, ÆÃÑ."

áê~îå°Oâ ÆÑ"â "Å 33.3

i) 20%ii) 28%(iii) =0='êÜ«i)Q=Æ*İÅ = iÜ«Ú #QÆÅ%

áê~îå°Oâ ÆÑ"â "Å 33.4

i) ŒEa@<£ ii) 26%(iii) 0.6% iv) 0.61%

áê~îå°O` «~° ÆÑ"â "Å

1. ÃãHõ <£ 26.3 K«^ =Ù=Ú.
2. ÃãHõ <£ 26.4 K«^ =Ù=Ú.
3. ÃãHõ <£ 26.6 K«^ =Ù=Ú.
4. ÃãHõ <£ 26.7 K«^ =Ù=Ú.

34. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @$

(Foreign Exchange Rate)

34.1 $L\acute{a}\tilde{E}^{\wedge}\epsilon f^{\sim} \ll O$

$XH\tilde{o} \wedge \tilde{O}\hat{a} O \tilde{U} \acute{U}H\tilde{o}^{\sim} q^{\wedge}\tilde{O}j$ " $\acute{a}^{\circ}\acute{a}\hat{e}\sim^{\circ}O = \tilde{a}^{\sim} \hat{I} \hat{z} \tilde{a} = \hat{A} ZQ\tilde{A}E = \sim^{\circ} \ll \hat{A} kQ\tilde{A}E = \sim^{\circ} \acute{a}\hat{e}\sim^{\circ}\hat{I}^{\circ}O\ddot{O} \bullet \sim^{\circ} \hat{A} \tilde{a}^{\sim} \langle \tilde{o} \langle \hat{a}^{\sim} O. U \wedge \tilde{O}\hat{a} " \ddot{y} \# \sim^{\circ} \hat{a} \# ZQ\tilde{A}E = u K\tilde{O} \hat{z} \tilde{a} = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} \# Oz kQ\tilde{A}E = u K\tilde{O} \tilde{a}^{\sim} H \langle \tilde{O} = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} \langle \tilde{o} P \wedge \tilde{O}\hat{a} O K e_j OK\hat{a}e\hat{u} = K \ll \hat{U} \# . J \sim \acute{U} \tilde{O} qq^{\wedge} \sim^{\circ} \hat{a} \backslash x = \sim^{\circ} H\tilde{o} O K\tilde{O} \tilde{U} \ll e\hat{u} \# J = \tilde{a}^{\sim} \sim^{\circ} = \hat{U} \# " k. D \acute{a}\hat{e}\sim^{\circ}\hat{I} \hat{a}^{\circ} O \hat{a} O\ddot{O} \bullet qq^{\wedge} \hat{e} \sim^{\circ} \wedge \tilde{O} \hat{a} \beta \hat{A} [\sim^{\circ} Q\tilde{A}E \sim^{\circ} \ll \langle \hat{a}^{\sim} \sim \acute{U} ? " \hat{a} \backslash = \hat{e} \sim^{\circ} L \# " = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ Uq \backslash ? = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ H\acute{I} \sim^{\circ} \} = \acute{U}\hat{A} , q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \hat{A} = \sim^{\circ} \hat{E}\hat{A} = \hat{A} \# O\tilde{E}\tilde{N}^{\sim} = \wedge \epsilon \hat{A} Uq \backslash J \langle \tilde{O} k q =$

34.2 $\hat{A}H \acute{I}^{\circ}\hat{A}$

$D \acute{a}\hat{e}\sim^{\circ}\hat{I} \hat{a}^{\circ} O \hat{a} O J \hat{e} \sim^{\circ} \tilde{U} \ll \# O K\tilde{O} \tilde{a} \# \sim^{\circ} \ll \hat{a}^{\sim} \ll g \sim^{\circ} \sim^{\circ} \hat{A} \tilde{a}^{\sim} \langle \tilde{o} \langle \tilde{O} q.$

x $q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ J \# Q\acute{I} \langle \tilde{O} q ?$

x $q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ U q^{\wedge} \hat{e} \sim^{\circ} O Q\acute{I} x \sim^{\circ} \sim^{\circ} \acute{U} O K \ll _ \gg \# ?$

x $Jk\hat{e}H\acute{I}iH\tilde{o} = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ = i\tilde{U} \ll \acute{U} = \hat{O} \sim \sim^{\circ} x \sim^{\circ} \sim^{\circ} \acute{U} O K \tilde{O} = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @$

x $q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \ddot{O} \bullet = \sim^{\circ} \hat{E}\hat{A} \langle \tilde{o} Q\tilde{A}E \hat{A} H\acute{I} \sim^{\circ} \} \hat{I} \hat{A}$

x $q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ = \sim^{\circ} \hat{E} O\tilde{E}\tilde{N}^{\sim} \acute{E} \hat{e} \hat{I} " \hat{a} \hat{A} .$

34.3 $q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ J \# Q\acute{I} \langle \tilde{O} q$

$O\tilde{E}\tilde{N}^{\sim} \tilde{N}^{\sim} O K \ll O \ddot{O} \bullet \# \# " qq^{\wedge} \hat{e} \sim^{\circ} \wedge \tilde{O} \hat{a} \beta \hat{A} qq^{\wedge} \hat{e} \sim^{\circ} \sim^{\circ} H\acute{I} \hat{A} O\tilde{E} \sim^{\circ} " \hat{a}^{\circ} \hat{A} \# H\tilde{o}ey\tilde{U} \ll \acute{U} \hat{z} \tilde{N} \sim^{\circ} \sim^{\circ} \acute{a}\hat{e} \sim^{\circ} \acute{U} , H\acute{I} Q\acute{I} , J \wedge \tilde{O} O\tilde{E} a @ \langle \pounds \wedge \tilde{O} \hat{a} \tilde{N}^{\sim}\tilde{U} O\tilde{E} \sim^{\circ} = ^{\circ} O ' \acute{a} \epsilon O _ \pounds , J " iH\acute{I} \wedge \tilde{O} O\tilde{E} \sim^{\circ} = ^{\circ} O = \sim H\tilde{o} \wedge \tilde{O} \hat{a} \tilde{N}^{\sim}\tilde{U} O\tilde{E} \sim^{\circ} = ^{\circ} O \backslash \hat{A} = \sim^{\circ} H\tilde{o} = \acute{U} K\tilde{O} \tilde{U} \ll \backslash \ddot{x} H g \hat{A} \ddot{O} \hat{E} \sim^{\circ} , \wedge \epsilon \sim^{\circ} \hat{A} \# q^{\wedge}\tilde{O}j " \acute{a}^{\circ} \acute{a}\hat{e} \sim^{\circ} O \ddot{O} \bullet J \langle \tilde{O} H\tilde{o} \tilde{a}^{\sim} = \tilde{a}^{\sim} \hat{A} \sim^{\circ} \hat{a} = K \ll \hat{U} . \acute{E} \hat{e} \hat{I} \sim^{\circ} \ll " \acute{a}^{\circ} \acute{a}\hat{e} i O\tilde{E} a @ \langle \pounds K\tilde{O} \tilde{U} \ll \sim^{\circ} e \hat{z} \tilde{a} \hat{I} , P O\tilde{E} a @ \langle \pounds " \acute{a}^{\circ} \acute{a}\hat{e} i P = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} q \hat{A} = \# \sim^{\circ} \ll \# \wedge \tilde{O} \hat{a} O\tilde{E} \sim^{\circ} = ^{\circ} " \ddot{y} \# ' \acute{a} \epsilon \hat{e} \sim^{\circ} \sim^{\circ} 10 \acute{a} \epsilon O _ \pounds \hat{A} J \langle \tilde{O} k = \# \sim^{\circ} \acute{a}\hat{e} \tilde{U} \ll \hat{A} \ddot{O} \bullet Z O \backslash \ll \tilde{o} \tilde{a}^{\sim} = \# O J \langle \tilde{O} k = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \langle \tilde{O} q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ J O \sim^{\circ} \sim^{\circ} .$

$q^{\wedge}\tilde{O} \hat{a} \beta \hat{A} \langle \tilde{o} = \# O ZQ\tilde{A}E = u K\tilde{O} \tilde{a} \# = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} q \hat{A} = \# \acute{a} \ddot{x} O \sim^{\circ} \backslash \ddot{x} H , J \wedge \tilde{O} q^{\wedge} \hat{e} \sim^{\circ} = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} q \hat{A} = \# K e_j O K \ll \backslash \ddot{x} H = \# \langle \tilde{o} D q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ Z O \backslash \hat{A} J = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} \wedge \tilde{O} \hat{a} \tilde{N}^{\sim}\tilde{U} " \acute{a}^{\circ} \acute{a}\hat{e} i \# Oz = \tilde{a}^{\sim} \hat{I} = \tilde{U}\hat{A} kQ\tilde{A}E = u K\tilde{O} \tilde{a}^{\sim} \langle \tilde{o} \# " @ j \sim \acute{U} \tilde{O} J " iH\acute{I} " \acute{a}^{\circ} \acute{a}\hat{e} i \sim^{\circ} _ \textcircled{R} \hat{A} \sim \ddot{u} , \# = O\tilde{E} \sim^{\circ} \ll " \tilde{O} J O w H\tilde{o} i ' \acute{e} \hat{I} _ \gg . = i , \acute{E} \hat{e} \hat{I} \sim^{\circ} f \tilde{U} \ll " \acute{a}^{\circ} \acute{a}\hat{e} i \sim^{\circ} Q\tilde{A}E \hat{a} \epsilon \sim^{\circ} J \ll x H L \# " q. J O \sim^{\circ} = \hat{A} \# \acute{E} \hat{e} \hat{I} \sim^{\circ} f \tilde{U} \ll " \acute{a}^{\circ} \acute{a}\hat{e} i , J " iH\tilde{o} \langle \pounds _ \textcircled{R} \hat{A} \sim \ddot{u} \# \sim^{\circ} \ll \# \sim^{\circ} Q\tilde{A}E \hat{a} \epsilon \sim^{\circ} \# " \sim^{\circ} \acute{a}\hat{e} \sim^{\circ}$

_®Ä~ü<õ Zx" ~° áêÜ« Å K e;OKâe? P K e;OK«=Åã # _®Ä~üÄ# Éèĭ~°fÜ«
Wq KãÖĬ Œáê=ÚY°" ŷ# = iÜ«Ú Pã"Ĥ ÎHõ~°" ŷ# ŒÑ"â "Å . g\ x QÆ iOz =
U" ŷ#Ñ"Ê\ H q^Õj = ~°HõÑ"Ü ~@ J#QÍ U ~@ J~Ú`Õ Ô~O_» ^ÕâßÅ Œ
q^Õj = ~°HõÑ"Ü ~@ Jx` Å ã" H <ã"~° . qq^è– ^ÕâßÅ<õ qq^è– ~°HÍÖ .# :

KãÖĬHÍÅO # O_ç J" iHÍ _®Ä~° , ŒEa\ + "µ áœO_» Jx" ^ÕâßÅÖ•# K«
Ô~O_» Œ^–"ã°Å J<ÕHõ ^ÕâßÅÖ• <ã°Ü« Ñ"~°" ŷ#q HÍ=Ü J~Ú`Õ P ^Õâ
= Œ`«"Õ L#"q. L^€Ç"Ĭ~°>õ Éèĭ~°fÜ« ZQÆ = u ^€~° Å J" iHÍ Œ^–=°" ŷ#
áœO_» # QÍx fã" H O^– ~° .

J<ÕHõ Jaè=\$kú K O^– `« #” ^ÕâßÅ ZQÆ = `« Å "ã~° kQÆ = u KÕã"
^€x = Å# P ^ÕâßÅ<õ q^Õj = ~°HõÑ"Ü ã" = ã"° U~°Ê_» # . q^Õj Œ^–=°O`À "ã
Hõ<ã" Z<õ =QÍ L#"q. D ã" = ã"°# 34, a #O^– qÑ"ÜÅOQÍ K«iÜON"Ĭ_ç#k.

QÆ ~° İOK« HÀ=eû# JOâ =ÚÄ

x JO`«~ã fÜ« "ã°áê~°=Ú#<õ XHõ ^Õâ O Ü ÚHõ– Œ^–"ã°x" = ~ H
= ^è–° = ~°HõÑ"Ü ~@ # x~°~ÚOK«=Ö .

x q^Õj = ~°HõÑ"Ü ~@ J#QÍ XHõ ^Õâ Ñ"Ü Œ^–=°O = ~ Hõ ^Õâ
=K« Ü<À` eÜ« KÕã" İOk.

34.1 áê~îã°Oâ ŒÑ"â "Å

D ŒEH Ok "ã\ Ö• `«Ñ"C / XÑ"CÅ# QÆ îİOK«O_ç.

1. ŒÑ"u q^Õj Œ^–=°O = ~ Hõ ^Õâ Ñ"Ü Œ^–=°O`À = ~°HõÑ"Ü ~@ LC
2. = ~°HõÑ"Ü ~@ ÖË<õ O_® q^Õj "ã°áê~°O KÕÜ«Ú@ Hõ+ "iO.
3. ŒÑ"u ^Õâ Ñ"Ü Œ^–=°O WOH Hõ ^Õâ OÖ• = ~°HõÑ"Ü ŒÑ" = }OQÍ

34.4q^Õj = ~°<õÑ"Ü ~@ U q^è–OQÍ x~°~ÚOK«Ĭ_» # ?

WO`«<õ =ÚO^– K Ñ Ê#@ ;QÍ XHõ ^Õâ Ñ"Ü Œ^–=°O Ü ÚHõ– qÅ = W
~@ JO^– ~° . D = ~°HõÑ"Ü ~@ x x~°~ÚOK«\ĬxH Œáê^ä–q HõOQÍ Ô~O

1. HOŒ^–ÉĬ°O<õ <Õ x~°~ÚOK«Ĭ_ç# ã ÷~° = ~°HõÑ"Ü ~@ .
2. q^Õj Œ^–=° = Ô~\òÖ• x~°~ÚOK«Ĭ_ç# = ~°HõÑ"Ü ~@

34.5ã ÷~° q^Õj = ~°HõÑ"Ü ~@ (Fixed Foreign Exchange Rate)

XHõ ^Õâ Ñ"Ü Œ^–=°O = ~ Hõ ^Õâ Ñ"Ü Œ^–=°OÖ• = ~°HõÑ"Ü ~@ ;
^€xx ã ÷~° = ~°HõÑ"Ü ~@ JO^– ~° . Éèĭ~°`«^Õâ OÖ• 1991 = ~°<õ q^Õj =

J~Ú# i[~° “ÉĬ°O<õ x~°~ÚOKÕk. WK«Û@ i[~° “ÉĬ°O<õ = ~°HõÑ~Ú ~@ #
 ` Å ã” HÀ"æeû# J=ã”~°O ŒÑ”ã” Î «O ÖË~. J~Ú`Õ Wk ã ÷~°" ÿ# = ~°HõÑ
 ^€xx HOŒ~ÉĬ°O<õ J=ã”~°" ÚzÛ#Ñ”Û_» = ~° Û# . J~Ú`Õ "ãã”Î=OQÍ = ~°H
 ÃÑiy kQÆ = `« Å `«QÆ æ# . i[~° “ÉĬ°O<õ q^Õj = ~°HõÑ~Ú ~@ # x~°~Ú
 " à j@# , Ö•Ñ”ÅH ~å=@=Ú# <õÄ_® xÛ« OŒeuOK« # . ZQÆ = u ^€~° Å
 J# = u á†Ok# "å°áê~° Å =^~Ì = Œ`«"Õ = ~°HõO KÕã” H x ^€xH ã”= #”
 J^Õq^è–OQÍ kQÆ = `« Å# 'ê^è–°" ÿ#O`«=~°<õ xÛ« OŒeuOK« @O =Å# q^Õ
 KÕÛ« QÆÅ=Ú. Ö .Ãã# ûÅ #” kQÆ = u^€~° Å J# = uOz# = ~°HõÑ~Ú ^€~°
 K e;Oz q^Õj Œ~°=Ú# á†O^~K« Û. WĬO\ K«~°Å q^Õj = ~°<õÑ~Ú Œ~°
 `À_»Ê_» # . H x”'ê~° j q^Õj = ~°HõÑ~Ú Œ~°=°OÖ•Ö•@ U~°Ê_»@O K« _»=
 H ~°« ~å<õ O_® x"âiOK«=K« Û. WÖĬO\ Hõî# = ~°HõÑ~Ú x|O^è–#Å =Å#
 "å\ H Y~° Û ÃÑ@ì<õ O_® J=ã”~°" ÿ#, x`å°=ã”~åÅ kQÆ = uH qxÛ yOK«=
 ÉèĬ~°« i[~° “ÉĬ°O<õ ã ÷~° = ~°HõÑ~Ú ~@ # ZQÆ = `« Å ÃÑOK«\ix
 ã”O= `«û~åÄÖ•KâÖĬ'ê~° j = iÛ#k. q^Õj Œ~°=°qÅ =`À = # ~° áê~Ú qÅ =# `«
 JO^~° .

34.6=, Å°h¿ãHõ~°} (evaluation)

Z) =, Å°hHõ~°} ÉèĬ=#

q^Õj Œ~°"å°Å`À = #^Õâ Ñ~Ú ~° áê~Ú qÅ = `«yæOK« HÀ=Ĭx” = Å°h
 = # ~° áêÛ« Å 45 XHõ _®Å~° <õ WK« ÛK« <å”=Ú. ŒÑ”ÉèĬ`«“O ^ÕjÛ« Ñ
 50 ~° áêÛ« Å XHõ _®Å~° <õ W=“_®x” (~° .50´1_®Å~°) =, Å°hHõ~°} JO^~°
 = # ~° áê~Ú qÅ = `«yæ#k.

a) =, Å°hHõ~°} Û ÚHõ~ J=ã”~°=Ú.

HOŒ~ÉĬ°O<õ = ~°HõÑ~Ú ~@ # x~°~ÚOz# `«~° "å`«, X HXHõ
 =, Å°hHõiOK« # . ^€xx =ÚY°OQÍ ZQÆ = `« Å ÃÑOK« @<õ , kQÆ = `« Å
 q^Õj = ~°Hõ Œ~°=°O = #^Õâ OÖ•H =zÛ q^Õj = ~°Hõ xÅ“Å ÃÑ~° QÆ # .
 <õÄ_® = ~°HõÑ~Ú xÅ“Å ÃÑ~° QÆ # . Wk =°u ~Hõ K e;ON”ÛÅ âš+”=Ú `«
 áê~îå°Oâ OÖ• K«^~°=QÆÅ~° .

ZQÆ = `« Å , kQÆ = `« ÅÃÑ. =, Å°hHõ~°} ŒÑ”ÉèĬ==Ú# J~°úO KÕã”
 L^€Ç”Ĭ~°}<õ XHõ ÉèĬ~°fÛ« "å°áêi J" iHÍ<õ =ã” Î=ÚÅ ZQÆ = u KÕ'ê~°# <õ
 ®Å~° <õ = ~°HõÑ~Ú ~@ ~° .45 J# <õ O^€O. ^€xx |`ì J" iHÍ"å°áêi 1®Å~°

H OĬ_» . WÑ"ÙÊ_» ~° áê~Úx i[~° "ÉĬ°O<õ =, Å°hHõ~°} KÕã #^# H O^€=
qÅ = 40 # Oz 50<õ ÑÑiy#k. (J#QÍ = # ~° áê~Ú qÅ = `«yæ#k) ~° .50 ' _®. 1
"å°áêi XHõ _®Å~° <õ 25 ~° áê~ÚÅ qÅ = QÆÅ =ã" Î=ÙÅ á†O^~`ã_» . (WC
^è~° HõÅ HÀ_çQÆ _» x XHõ _®Å~° <õ 45 W¿ãĬ =, Å°hHõ~°} `«~° "å
W="=Åã =K« Ũ# . nxx | \ ì = # =ã" Î=ÙÅ KÒHõ J~Ú J" iHÍ "å°áê~° Å Z<õ ~°
=Å# ZQÆ = `« Å ÑÑ~° QÆ # . ^€xx | \ ì =, Å°hHõ~°} =Å# ZQÆ = `« Å ÑÑ

=, Å°hHõ~°} =Å# kQÆ = `« Å `«QÆ æ# . = ~°HõÑ"Ù qÅ = ~° .45 ' 1
"å°áêi XHõ _®Å~° =ã" Î=ÙÅ<õ 45 ~° áêÜ« Å K e;OK«QÍ, =, Å°hHõ~°} =Å# J
nx =Å# kQÆ = `« Å qÅ = ÑÑ~° QÆ # . ^€x =Å# kQÆ = `« Å `«QÆ æ# . J~
ÑÑ~°QÆ@O kQÆ = `« Å `«QÆæ@O J<Õk D ÆH Ok x|O^è~#Å L#"Ñ"Ù

1. ZQÆ = `« Å K«=Hõ J~Ú "å\ _ç= O_£ ÑÑiy#Ñ"ÙÊ_» , kQÆ = `« Å qÅ
2. q^ÕâßÖÖ•`«# =ã" Î=ÙÅ qÅ = `«yæ#Ñ"ÙÊ_» "å\ _ç= O_£ ÑÑiy, P_ç=
KÕã #Ñ"ÙÊ_» J^Õq^è~OQÍ kQÆ = u ÆÑ"å°= "Ü« Å ÑÑiy kQÆ = `«
3. ZQÆ = u KÕÜ«Ú ^ÕâßÅÖ• =ã" Î=ÙÅ ^è~°Å ÑÑ~°QÆ<õ O_® LO_®
4. HÀâ Ö•@ # ZÑ"Ê\ HõÑ"ÙÊ_» ã"iK« ã" <õ O@ LO_®e.

QÆ ~° ĬOK« HÀ=eû# JOâ =ÚÅ

- x q^Õj = ~°HõÑ"Ù ~@ Ô~O_» q^è€Å QÍ x~°Ü« = QÆ # .
Z) HOÆ^~ÉĬ°O<õ ^€~å a) q^Õj = ~°HõÑ"Ù = Ô~\dÖ• _ç= O_
- x HOÆ^~ÉĬ°O<õ Hõ# Hõ = ~°HõÑ"Ù ~@ # x~°~Ú¿ãĬ ^€xx ã ÷~°
- x QÆ`«OÖ• ÉèĬ~°`«^Õâ O D Ñ"~\lux J# ã"iOz#k.
- x = ~°HõÑ"Ù ~@ # x~°~ÚOK« @"Õ HÍHõ, q^Õj xÅ"Å |Ü« @<õ "å
HOÆ^~ÉĬ°O<õ xÜ« OÆuOK« # .
- x PiúHõ =°=ã" ÷ J=ã"~åÅHõ# QÆ }OQÍ HOÆ^~ÉĬ°O<õ = ~°HõÑ"Ù
- x `«# Æ^~°=Ú Ü ÚHõ~ qÅ =# q^Õj Æ^~°OÖ• `«yæOK«\ix" =, Å°

34.2áê~îå°Oâ ÆÑ"â "Å

ÆH Ok MïmÅ# ÆÉĬÔH@;Ö• WzÛ# Ñ"~^€ÅÖ• ã"Ô~. # Ñ"~O`À Ñ"ÓiC

1. ã ÷~° = ~°HõÑ"Ù ~@ # x~°~ÚOKÕk (HOÆ^~ÉĬ°O<õ
2. HOÆ^~ÉĬ°O<õ x~°~ÚOz# ã ÷~°= ~°<õ ~@ # (

3. $xH\tilde{o} \sim^{\circ} q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o} \text{ } \mathcal{O}^{\wedge} =^{\circ} O\# \dots\dots\dots i[\sim^{\circ} \text{ "É"}^{\circ} O\langle\tilde{o} = \sim^{\circ} H\tilde{o}\tilde{N}^{\circ}\tilde{U}$
 $\text{` «}y\tilde{a}eOK\text{» @}\langle\tilde{o} \text{)}$

4. $=, \mathring{A}^{\circ} hH\tilde{o} \sim^{\circ} \} J\#Q\acute{I} q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} \sim^{\circ} \mathring{a}^{\circ} \mathring{A}^{\circ} \mathring{A} = \# \mathcal{O}^{\wedge} =^{\circ} O\# \dots\dots\dots (\text{` «}y\tilde{a}e$

34.7= $\hat{O} \sim^{\circ} \neg \tilde{o} \text{ } ^{\wedge} \mathcal{E} \text{ " } \sim^{\circ} \mathring{a} \text{ } q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\circ}\tilde{U} \text{ } \sim @ \# \text{ } x \sim^{\circ} \text{ " } \tilde{U} \text{ " } = Q\mathcal{A} \mathcal{E} @$
 $= \sim^{\circ} H\tilde{o}\tilde{N}^{\circ}\tilde{U} \text{ } \sim @ \text{ } q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} \sim^{\circ} \mathring{a}^{\circ} \mathring{A}^{\circ} \mathring{O} \bullet \text{ } _ \mathcal{C} = O _ \mathcal{E}, \tilde{a}^{\circ} \tilde{N}^{\circ} j \tilde{U} \tilde{u} \mathring{A} \text{ } ^{\wedge} \mathcal{E} \text{ " } \sim^{\circ} \mathring{a} \text{ } x \sim^{\circ} \text{ " } \tilde{U} \text{ " } \sim @$
 $Q\acute{I} \text{ } \mathring{z} \tilde{N} \sim^{\circ} \# \text{ } \wedge \sim^{\circ} . = \acute{U} O \wedge \text{ } q^{\wedge}\tilde{O}j = \sim^{\circ} \langle \tilde{o} \tilde{N}^{\circ}\tilde{U} = \hat{O} \sim^{\circ} \neg \tilde{o} \text{ } J\#Q\acute{I} < \tilde{O} q \text{ } \text{` } \mathring{A} \tilde{a}^{\circ} H$
 $=, \ddot{O} \mathring{I} \mathring{A} \# \text{ } \text{` } \mathring{A} \tilde{a}^{\circ} H O \wedge \mathcal{E} O.$

1. $\acute{a} \P \hat{e} \sim^{\circ} < \mathcal{E} \text{ } Z \text{ } H \hat{u} O I = \hat{O} \sim^{\circ} \neg \tilde{o}$

$q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} =^{\circ} = \sim^{\circ} H\tilde{o}\tilde{N}^{\circ}\tilde{U} = \hat{O} \sim^{\circ} \neg \tilde{o} \mathring{O} \bullet q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} =^{\circ} = \acute{U} \mathring{A} \text{ } J = , H \acute{I} \mathring{A} , \text{ } H \# Q\mathcal{A} \mathcal{E}$
 $= \sim^{\circ} H\tilde{o} = \acute{U} \text{ } x \sim^{\circ} \text{ " } \mathcal{C} \text{ } \mathring{I} O K \tilde{O} \text{ " } \mathring{a} \sim^{\circ} \text{ } H O \mathcal{O}^{\wedge} \sim^{\circ} \mathring{E} \text{ " }^{\circ} O \langle \tilde{o} \text{ } J\# = u \text{ } f \tilde{a}^{\circ} \text{ } H O \wedge \sim^{\circ} . XH\tilde{o} \text{ } \mathcal{O}^{\wedge} =^{\circ}$
 $= i \tilde{U} \text{ " } \acute{U} \text{ } _ \mathcal{C} = O _ \mathcal{E} \mathring{A} \mathring{A} \mathring{N}^{\circ} . P^{\wedge} \mathring{e} \mathcal{E} \sim^{\circ} \tilde{N}^{\circ} _ \mathcal{C} \text{ } \tilde{U} \text{ " } \acute{U} O _ \text{ " } \# .$

2. $q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} \sim^{\circ} \mathring{a}^{\circ} x H \text{ } _ \mathcal{C} = O _ \mathcal{E}$

$q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} =^{\circ} = \acute{U} \# \text{ } = \acute{U} Y^{\circ} O Q\acute{I} \text{ } k Q \mathcal{A} \mathcal{E} = u \text{ } ^{\wedge} \mathcal{E} \sim^{\circ} \mathring{A} \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } K \tilde{O} \tilde{U} \text{ " } \acute{U} \wedge \sim^{\circ}$
 $\langle \tilde{o} \mathring{A} _ \text{ " } q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} =^{\circ} = \acute{U} \# \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } K \tilde{O} \tilde{U} \text{ " } \acute{U} \wedge \sim^{\circ} .$

$XH\tilde{o} = \tilde{a}^{\circ} \hat{I} = \acute{U} \text{ } \tilde{U} \text{ } \acute{U} H \tilde{o} \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } ^{\wedge} \mathcal{E} x \text{ } ^{\wedge} \mathring{e} \sim^{\circ} = \mathring{A} \# Z \ddot{O} \mathring{I} \mathcal{O} \mathring{E} \tilde{N}^{\circ} \mathring{E} \mathring{e} \mathring{I} q \text{ " } \mathcal{E} = Q \mathcal{A} \mathcal{E} <$
 $q \mathring{A} = ^{\wedge} \mathcal{E} x \text{ } _ \mathcal{C} = O _ \mathcal{E}, \tilde{a}^{\circ} \tilde{N}^{\circ} j \tilde{U} \tilde{u} \mathring{A} = \mathring{A} \# \mathcal{O} \mathring{E} \tilde{N}^{\circ} \mathring{E} \mathring{e} \mathring{I} q \text{ " } \mathcal{O} \text{ } J Q \mathcal{A} \mathcal{E} \# . L^{\wedge} \mathcal{E} \mathcal{C} \text{ " } \mathring{I} \sim^{\circ} \} \langle \tilde{o} \text{ } \mathcal{O} \mathcal{E} a \backslash$
 $\tilde{a}^{\circ} \mathring{I} \mathring{a} \mathring{E} \sim^{\circ} \acute{U} \# K \mathring{A} \mathcal{O} \mathcal{E} a \backslash \text{ " } \text{ " } \mu \text{ } \acute{a} \mathcal{O} \mathcal{E} O _ \text{ " } \langle \tilde{o} \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } \mathring{A} \tilde{N}^{\circ} \sim^{\circ} Q \mathcal{A} \mathcal{E} \# , J^{\wedge} \tilde{O} q^{\wedge} \mathring{e} \sim^{\circ} O Q \acute{I} \text{ } ^{\wedge} \mathcal{E} x$

$D \text{ } q^{\wedge} \mathring{e} \sim^{\circ} O Q \acute{I} < \tilde{O} \text{ } q^{\wedge}\tilde{O}j = \sim^{\circ} H\tilde{o}\tilde{N}^{\circ}\tilde{U} \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } \sim Y = , \mathring{A} \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } \sim Y \text{ } Z _ \text{ " } \tilde{U} \text{ " } \acute{U} O _ \text{ " } \# .$

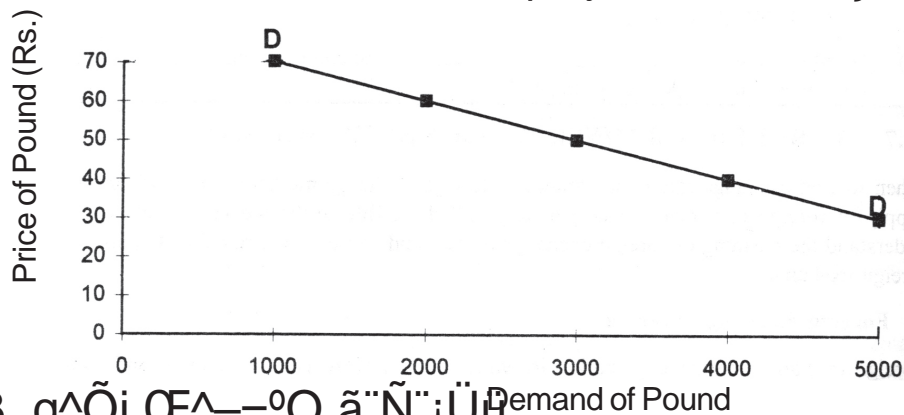
$q^{\wedge}\tilde{O}j = \sim^{\circ} \langle \tilde{o} \text{ } \mathcal{O}^{\wedge} =^{\circ} O \text{ } \tilde{U} \text{ } \acute{U} H \tilde{o} \text{ } \neg L^{\wedge} \mathring{A} \mathring{z} \hat{U} \hat{u} \text{ " } \mathcal{E} \text{ " } \ddot{y} \# _ \mathcal{C} = O _ \mathcal{E} \text{ } \tilde{N}^{\circ} \backslash \text{ } i H \tilde{o} \text{ } \mathcal{O} \mathcal{E} H O \wedge$

$\tilde{N}^{\circ} @ O \text{ } 34.1 \text{ } q^{\wedge}\tilde{O}j \text{ } \mathcal{O}^{\wedge} =^{\circ} O \text{ } \tilde{U} \text{ } \acute{U} H \tilde{o} \text{ } _ \mathcal{C} = O _ \mathcal{E} \text{ } (\mathcal{O} \mathcal{E} a \backslash + \text{ " } \mu \ddot{O} \bullet)$

$XH\tilde{o} \text{ } \mathcal{O} \mathcal{E} a \backslash + \text{ } \acute{a} \mathcal{O} \mathcal{E} O _ \mathcal{E} \text{ } ^{\wedge} \mathring{e} \sim^{\circ} \sim^{\circ} \acute{a} \hat{e} \tilde{U} \text{ " } \mathring{A}$	$\mathcal{O} \mathcal{E} a \backslash + \text{ " } \mu \acute{a} \mathcal{O} \mathcal{E} O _ \text{ " } _ \mathcal{C} =$
$\sim^{\circ} . 30$	$\mathcal{E} 5000$
$\sim^{\circ} . 40$	$\mathcal{E} 4000$
$\sim^{\circ} . 50$	$\mathcal{E} 3000$
$\sim^{\circ} . 60$	$\mathcal{E} 2000$
$\sim^{\circ} . 70$	$\mathcal{E} 1000$

$\mathring{A} \mathring{N}^{\circ} . \tilde{N}^{\circ} \backslash \text{ } i H \tilde{o} \text{ } \mathcal{O} \mathring{E} \tilde{N}^{\circ} \mathring{H} \mathring{I} \sim^{\circ} O \text{ } \mathcal{O} \mathcal{E} a \backslash + \text{ } \acute{a} \mathcal{O} \mathcal{E} O _ \mathcal{E} \text{ } ^{\wedge} \mathring{e} \sim^{\circ} 30 \sim^{\circ} \acute{a} \hat{e} \tilde{U} \text{ " } \mathring{A} \text{ } L \# \text{ " } \tilde{N}^{\circ} \tilde{U} \mathring{E} \text{ " } \acute{a} \mathcal{O} \mathcal{E} O _ \mathcal{E} \text{ } ^{\wedge} \mathring{e} \sim^{\circ} 5 \sim^{\circ} . \mathring{A} \tilde{N}^{\circ} i y \# \tilde{N}^{\circ} \tilde{U} \mathring{E} \text{ " } _ \mathcal{C} = O _ \mathcal{E} \text{ } 3000 \text{ } \langle \tilde{o} \text{ } \text{` } \text{ " } \text{ " } y \tilde{a} e \# k , ^{\wedge} \mathring{e} \sim^{\circ} 70 H \text{ " } \mathring{A}$

Figure 34.1 Demand for Pound



3. Demand for Pound

The demand for the pound is the quantity of pounds demanded by Indian residents at a particular time and price. It is represented by a downward-sloping curve. The demand for the pound is derived from the demand for foreign goods and services. When the price of the pound falls, the cost of foreign goods and services increases, leading to a decrease in demand for the pound.

4. Demand for Pound = Demand for Foreign Goods and Services

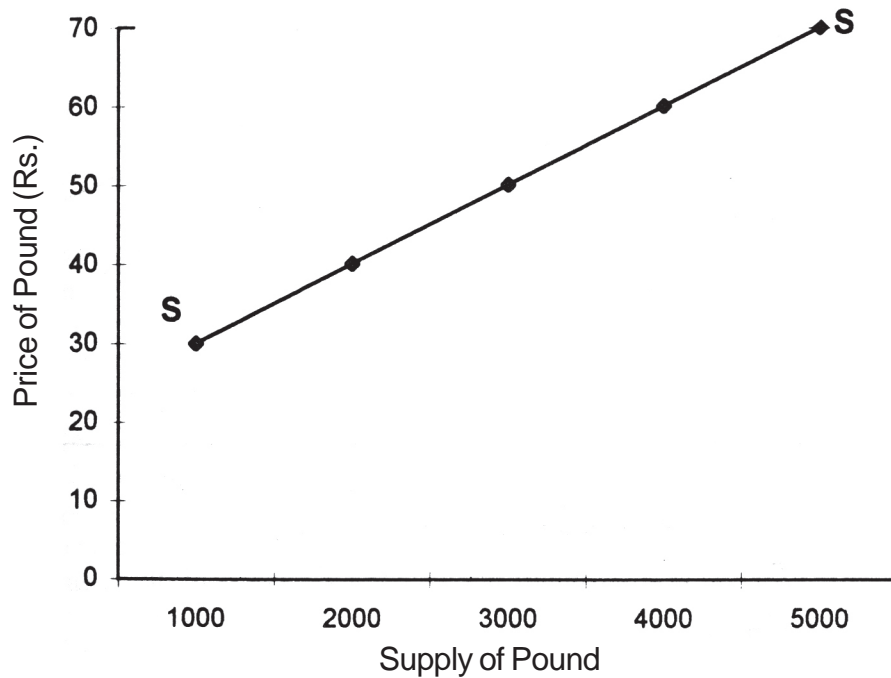
The demand for the pound is derived from the demand for foreign goods and services. When the price of the pound falls, the cost of foreign goods and services increases, leading to a decrease in demand for the pound. This is because Indian residents will buy fewer foreign goods and services when they are more expensive. The demand for the pound is therefore a derived demand. It is represented by a downward-sloping curve. The demand for the pound is derived from the demand for foreign goods and services. When the price of the pound falls, the cost of foreign goods and services increases, leading to a decrease in demand for the pound.

Figure 34.2 Demand for Pound

Figure 34.2

Price of Pound (Rs.)	Demand of Pound
30	5000
40	4000
50	3000
60	2000
70	1000

Ñ" @O 34.2 q^Õj OE^=°O ã"Ñ"jÜü



5. ã" = `ÒÅ° = ~°Hõ ^è~° x~°Ü« O

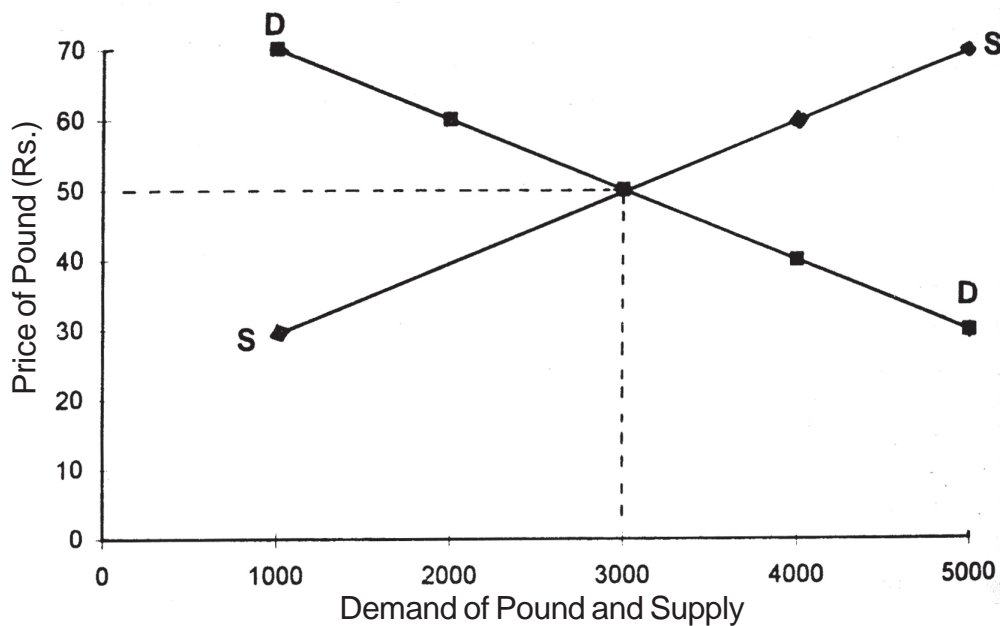
= Ô~\òÖ• = ã" Î=Ü Ü ÚHõ~ ^è~° Uq^è-OQÍ x~°Ü« = =Ü<À J^Õq^è-O
 = Ô~\òÖ• x~°Ü« = QÆ # . D ã" = `ÒÅ° ^è~° "å\ _ç= O_£, ã"Ñ"jÜü ÅÃÑ.
 OEa\ + áœO_£ Ü ÚHõ~ ã"Ñ"jÜü _ç= O_£Å# Ñ" \ ìHõÅ 34.1, 34.2 Å # Oz f
 K« Ñ OK«|_ç#k.

_ç_ç J<Õk OEa\ + áœO_£ Ü ÚHõ~ _ç= O_£ ~Y, Zã Zã J<Õk OEa\ + á
 50 ~° áêÜ« Å L#"Ñ"ÜÊ_» ã"Ñ"jÜü , _ç= O_£Å ã" = #" ÿ#q. nxx aO^=Ü
 aO^=Ü _ç= O_£, ã"Ñ"jÜü Å ã" = #" ÿ# aO^=Ü.

Ñ" @O 34.3 q^Õj = ~°Hõ OE^=° ~@ ã" = `ÒÅ°O

OEa\ + áœO_» ^è~°	áœO_» _ç= O_£	áœO_» ã"Ñ"
30	£ 5000	£ 1000
40	£ 4000	£ 2000
50	£ 3000	£ 3000
60	£ 2000	£ 4000
70	£ 1000	£ 5000

Ñ" @ O 34.3 ã" = `ÒÅ° = ~°Hõ ^è--~° x~°Ü« O



áœO_» Ü ÚHõ~ ~° áê~ÚÅ`À ã" = `ÒÅ° ^è--~° 50. ã" = `ÒÅ° ^è--~° Hõ
ã"Ñ"jÜü ÃÑ~° QÆ # , _ç= O_£ `«QÆ æ# . J^Õq^è-OQÍ ã" = `ÒÅ° = ~°Hõ
ç= O£ ÃÑ~° QÆ # . WÖIO\ Ñ"iã ÷ `« ÅÖ•^è--~°, _ç= O_£, ã"Ñ"jÜü Å = ~°
D = ~° ÊÅ áê~îâ°Oâ O 17Ö• q=iOz# = ~° ÊÅ=Ö LO_» # . J~Ú`Õ JHõ_»H
=ã" Î=Ü# QÆ iOz K«iÛOKå=Ú. WK«Û@ q^Õj œ^=° qÅ =# = Ô~\ò U q^è

QÆ ~° ÎOK« HÀ=Åã # JOâ =ÚÅ

- x U = Ô~\òÖ•< .`Õ q^Õj œ^=°=Ú Ü ÚHõ~ J= ,HÍÅ , H # QÀà § [
- = ~°Hõ œ^=°= Ô~\ò JO^ ~° .
- x =ã" Î=Ü =Ö q^Õj = ~°HõÑ"Ü ~@ <õ , ^€x _ç= O_£<õ qÖ•= # áê
- x U ~@ =^ì ã"Ñ"jÜü = iÜ«Ú _ç= O_£Å ã" = #OQÍ LO\Ü Jk ã"
- = ~°HõÑ"Ü ~@ .

34.3 áê~îâ°Oâ œÑ"â "Å

D œH Ok "å\ Ö• `«Ñ"C / XÑ"CÅ# QÆ îOK«O_ç.

1. q^ÕâßÅÖ• L#" = Ô~\ò# q^Õj = ~°HõÑ"Ü = Ô~\ò JO^ ~° .
2. q^Õj = ~°HõÑ"Ü = Ô~\òÖ• q^Õj =ã" Î "å°áê~°=Ú [~° QÆ # .
3. U ~@ J~Ú`Õ ZQÆ = `« Å , kQÆ = `« Å ã" = #OQÍ LO_» <À ^€xx ã" =
4. q^Õj œ^=°=Ú#<õ #" _ç= O_£, ã"Ñ"jÜü Å ^€x = ~°HõÑ"Ü ~@ # x~°

ã"= `ÒÅ° = ~°HõÑ"Ù ~@ Ö• = ~° ÊÅ

=ÚO^ K Ñ Ê#@ ;QÍ ã"= `ÒÅ° = ~°HõÑ"Ù ~@ J#QÍ q^Õj Æ^=°O Ü
L#"Ñ"ÙÊ_» U~°Ê_Ök. J~Ú`Õ D ã"= `ÒÅ° ~@ = ~ J=HÍâ =Ú#"k. q^Õj Æ
`«yæ<â, J^Õq^è-OQÍ P Æ^=°O Ü ÚHõ- ã"Ñ"jÜü ÃÑiy<â, `«yæ<â ÖÊ^€ Ó
~@ = ~ J=HÍâ =Ú#"k.

kQÆ = `« Å =Å# q^Õj Æ^=°O Ü ÚHõ- _ç= O_£ ÃÑ~° QÆ # , ZQÆ =
|`ì kQÆ = `« ÅÖ• ZÖIO\ = ~° Ê =zÛ## , ZQÆ = `« ÅÖ• = ~° Ê, q^Õj Æ^=
ã"= `ÒÅ° ^è-~° = ~ J=HÍâ =Ú#"k. D = ~° ÊÅ = , Å =ã" Î=ÚÅ _ç= O_£ ,
LO_» # . ^€xx = #O áê~î°O 17Ö• ` Å ã" <õ <â"O. ã"= `ÒÅ° q^Õj Æ^=° q
ã"= `ÒÅ° ^è-~° ZÖI = ~° <À J^Õ q^è-OQÍ LO_» # .

q^Õj Æ^=°O Ü ÚHõ- _ç= O_£ = iÜ«Ú ã"Ñ"jÜü Å ZÅjÑ"ÙÊ_» = ~
ZQÆ = u, kQÆ = `« Ö•j = ~° ÊÅ O_»@ "Ö JO`ÖHÍ<õ O_® q^Õj ÃÑ@ i|_»
" Ú^ÅQÆ HÍ~°}IÅ HÍ=K« Û. ^€x =Å# ã"= `ÒÅ° q^Õj = ~°HõÑ"Ù ^è-~°
k#Ñ"œuHõÅÖ• q^Õj Æ^="â°Å qÅ =Å = ~° `« #">@ ; K«^ =ÜK« <â"~° . H x
H x" ÃÑ^~ìqQÍ LO_» # . D fœ=" ÿ# = ~° ÊÅ ZQÆ = u, kQÆ = ux ^ |tfÜ<
=°=ã"÷ÃÑ. œÑ"ÉèI==Ú# K« Ñ"Ù# . = #^Õâ =ÚÖ•< . `Ö ÉèI~° « i|~° "ÉI°O<
q^Õj = ~°HõÑ"Ù ~@ ÉIQÍ ÃÑiy#@j~Ú`Õ i|~° "ÉI°O<õ q^Õj Æ^=°=Ú# =
=Å# = ~°HõÑ"Ù ~@ Ö• ÃÑ~° QÆ ^Å `«QÆ æ# . JO>Ë i|~° "ÉI°O<õ q^Õj
J#QÍ ã"Ñ"jÜü ^€~° xQÍ LO_» # . JO^ =Å# qx= Ü« ~@ ÃÑ~° QÆ `« # "Ñ"
q^Õj = ~°HõÑ"Ù ~@ `«QÆ æK« #">@j~Ú`Õ, ã"Ñ"jÜü Z<õ =QÍ LO_ç _ç=
i|~° "ÉI°O<õ H # QÀÅ ^€~° xQÍ LO_ç ã"Ñ"jÜü x `«yæOK« # . nx =Å# q^
ÃÑ~° QÆ # .

q^Õj = ~°Hõ=ÚÖ• ã"= `ÒÅ° ^è-~° ÃÑ~°QÆ@= O>Ë ~° áê~Ú qÅ =
`«~° QÆ ^Å U~°Ê_ç#^x J~úO. ã ÷~° = ~°HõÑ"Ù ~@ HÍÅÖÖ• ^€xx ~° á
qÅ =Ö• `«~° QÆ ^Å œÑ"ÉèI==Ú, =, Å°hHõ~°} =Å# U~°Ê_ç# œÑ"ÉèI==Ú

QÆ ~° ÍOK« HÀ=Åã # JOâ =ÚÅ

x _ç= O_£, ã"Ñ"jÜü ÖÖ• = ~° Ê ÖÊ^€ Ô~O_çO\ Ö• = ~° Ê =Å# q
~@ Ö• = ~° Ê =K« Û# .

x ã"= `« Å° ~@ Ö• ÃÑ^~ì `Ö_®Å =Å# q^Õj "â°áê~°OÖ• L#" "â ~
" Ú `«Î=ÚÃÑ. œÑ"ÉèI=O K« Ñ"Ù# . ^€xx ã ÷~°OQÍ LOK«\ixH i|~°
H # @ ÖÊ^€ J=Ú, @ KÖÜ«Ú# .

34.4 áê~îâ°Oâ œÑ"â "Å

D œH Ok "à\ Ö• `«Ñ"C / XÑ"CÅ# QÆ îOK«O_ç.

1. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \tilde{a}^{\sim} = \text{'}\tilde{O}\tilde{A}^{\circ} \wedge\tilde{e}^{\sim} = \sim^{\circ}\wedge$.
2. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \tilde{a}^{\sim} = \text{'}\tilde{O}\tilde{A}^{\circ} \sim @ \tilde{O} \bullet U \sim^{\circ}\tilde{E}_\sim \gg f\tilde{O}E = " \ddot{y}\# = \sim^{\circ} \tilde{E}\tilde{A} \text{ PiúH}\tilde{o}$
3. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \tilde{a}^{\sim} = \text{'}\tilde{O}\tilde{A}^{\circ} \sim @ \tilde{O} \bullet = \sim^{\circ} \tilde{E}\tilde{A}\# \text{'}\ll y\tilde{a}eOK\ll @ \text{'}\tilde{o} \tilde{E}\tilde{e}\tilde{l}^{\sim} \text{'}\ll$

áê~îâ°O` «~° œÑ"â "Å

1. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ J \sim^{\circ}\acute{u} = \acute{U}\# q = iOK\ll O_\text{ç}?$
2. $\tilde{a} \div \sim^{\circ} = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \text{'}\tilde{o} , = \tilde{O} \sim \text{'}\tilde{o} x \sim^{\circ} \sim \acute{U}OK\tilde{O} = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \text{'}\tilde{o} \text{'}\tilde{O}$
3. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} = \tilde{O} \sim \text{'}\tilde{o} \sim @ Uq^{\wedge}\tilde{e} - OQ\acute{I} x \sim^{\circ} \text{'}\tilde{U} \ll = Q\tilde{A}E <\tilde{A} q = iO\tilde{N}^{\sim}\tilde{U} =$
4. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \tilde{O} \bullet = \sim^{\circ} \tilde{E}\tilde{A} \text{'}\tilde{o} H\acute{I} \sim^{\circ} \} = \acute{U}\tilde{A}\# q = iO\tilde{N}^{\sim}\tilde{U} = \acute{U}?$
5. $q^{\wedge}\tilde{O}j = \sim^{\circ}H\tilde{o}\tilde{N}^{\sim}\tilde{U} \sim @ \tilde{O} \bullet = \sim^{\circ} \tilde{E}\tilde{A} \tilde{O}\tilde{E}\tilde{N}^{\sim}\tilde{E}\tilde{e}\tilde{l}^{\sim} = \acute{U}\# q = iO\tilde{N}^{\sim}\tilde{U} = \acute{U}?$

$\tilde{a}^{\sim} = \wedge\tilde{e} \in <\tilde{a}\tilde{A}$

áê~îâ°Oâ œÑ"â "Å 34.1

1. XÑ"ÙÊ
2. XÑ"ÙÊ
3. `«Ñ"ÙÊ

áê~îâ°Oâ œÑ"â "Å 34.2

1. HOœ^ÉĬ°O,õ
2. = ~°Û=K« Û
3. ÃÑOK« @,õ
4. `«y

áê~îâ°Oâ œÑ"â "Å 34.3

1. `«Ñ"ÙÊ
2. `«Ñ"Ê
3. `«Ñ"ÙÊ
4. XÑ"ÙÊ

áê~îâ°Oâ œÑ"â "Å 34.4

1. `«Ñ"ÙÊ
2. XÑ"ÙÊ
3. XÑ"ÙÊ

áê~îâ°O` «~° œÑ"â "Å

1. $\tilde{A}\tilde{a}H\tilde{o} <\pounds 27.3 \# K\ll \wedge = O_\text{ç}.$
2. $27.5, 27.7 \tilde{A}\tilde{a}H\tilde{o} <\pounds \tilde{A}\# K\ll \wedge = O_\text{ç}.$
3. $27.7 \tilde{A}\tilde{a}H\tilde{o} <\pounds \# K\ll \wedge = O_\text{ç}.$
4. $27.7 \tilde{A}\tilde{a}H\tilde{o} <\pounds \# K\ll \wedge = O_\text{ç}.$
5. $27.8 \tilde{A}\tilde{a}H\tilde{o} <\pounds \# K\ll \wedge = O_\text{ç}.$

35. "â°áê~° âš+°O = iÜ«Ú K e¡OÑ"U

(Balance of Trade and Balance of Payments)

35.1 LáÈ^€f` «O

q^Ôj "â°áê~° = #QÍ XHõ ^Ôâ O W` «~° ^ÔâßÄÖ• KÕÜ«Ú "â°áê~°O, nx W` «~° ^ÔâßÄ # Oz = KÕÛ kQÆ = `« Å LO_ » # . `â# kQÆ = u KÕã" 'õ # " ZQÆ = u KÕã # =ã"Î=ÙÄ'õ K e¡OÑ"ÙÄ JO^ HÄ=_ »O nxÖ• ÆÑ"è€# " KÕã # =ã"Î=ÙÄ'õ á†Ok# qÅ =# kQÆ = u KÕã" H # " =ã"Î=ÙÄ K e¡OÑ" JO^ ~° . D K e¡OÑ"ÙÄ , ~â|_ » Å =# ^Ôâ Æ^=° ~° Ñ"OÖ• LO_@eû# J kQÆ = `« Å =Å# =KÕÛ ~â|_ » Å K e¡OÑ"ÙÄ # O_ç W` «~° ~â|_ » Å , K e¡OÑ" ` Å ã" HÀQÆÄ~° .

35.2 ÄH Í°Ä

D áê~î°O K«kq# `«~â" « g ~° D ÆH Ok JOâßÄ ` Å ã" 'õ OÏ~° .
x "â°áê~° K e¡OÑ"ÙÄ âš+°=Ú, J^\$âß°OâßÄÖ• âš+°=ÚÅ# QÆ iOz ` Å
x HõÔ~O@ MÏ`â, = iÜ«Ú ÃÑ@ ì|_ç MÏ`âÅ# QÆ iOz ` Å ã" H #QÆÄ~°
x HõÔ~O@ MÏ`â'õ , ÃÑ@ ì|_ç MÏ`â'õ = ^è~° Õ_® QÆ îOK«QÆÄ~° .
x HõÔ~O@ MÏ`â Ö•@ # QÆ iOz ` Å ã" H # @ = iÜ«Ú ^€x ÆÑ"ÉèÏ=U
x ã""Ü« OÆ¿Ñi` « ÃÑ@ ì|_ç, ÃÑ@ ì|_ç MÏ`âÖ• ã"~° ÌÉÏ@ # QÆ iOz ` Å
x K e¡OÑ"ÙÄ âš+°O QÆ iOz ` Å ã" 'õ OÏ~° .

35.3 "â°áê~° âš+°O J#QÍ

XHõ ^Ôâ O Ü ÚHõ~ =ã"Î=ÙÄ ZQÆ = `« Å , kQÆ = `« Å XHõ ã"O= `« Ü ¿Ñ~ ~#=K« Û. =ã"Î=ÙÄ ZQÆ = `« Å qÅ ='õ , =ã"Î=ÙÄ kQÆ = `« Å qÅ ='õ L^€Ç"Ï~°}'õ =#^Ôâ OÖ• XHõ ã"O= `«û~° HÍÄOÖ• =ã"Î=ÙÄ ZQÆ = `« Å ã"O= `«û~°OÖ• kQÆ = `« Å qÅ =~° . 6,000 J# H O>Ë "â°áê~° âš+°O (10,000- nxx "â°áê~° âš+°OÖ• q QÆ Å QÍ K Ñ"Ê=K« Û. nxH HÍ~°}O ZQÆ = `« Å Z LO_ »@O =Å# "â°áê~° âš+°OÖ• q QÆ Å U~°Ê_ç#k.

J^Ôq^è~OQÍ =ã"Î=ÙÄ ZQÆ = `« Å qÅ =~° . 8,000 = iÜ«Ú kQÆ = `« ^€xx Ö•@ "â°áê~° âš+°OQÍ ¿Ñ~ ~#=K« Û. (8,000 - 10,000 ´ -2,000).

WK«Û@ =ÚY°OQÍ QÆ ~° ÎOK« HÀ=Ãã #k "á°áê~° Ñ"~ ìÖ• =ã" Î=Ü
Ñ"iQÆ}#Ö•H fã" <õ O\j~° . ^∈xÖ• = ~ W`«~°=ÚÃ LO_»=Ü. =ã" Î=ÚÃ ZQÆ
Öi"á°ÖgÃ QÍ ;Ñ~ ~#=K« Û. JO^ =Ã# "á°áê~° âš+"O ^-\$âß°OâßÃ âš+"O
= #^Öâ O 'ê"«OÖE`«°O`«~° "à`« # Oz "á°áê~° âš+"OÖ• Ö•@ L#"k. D
ÃÑ~° QÆ ^-Ã`«<õ ~=QÍ# , kQÆ = `« ÃÖ• ÃÑ~° QÆ ^-Ã Z<õ ~=QÍ# LO_»
=Ã# qxÜ QÆOÖ• ÃÑ~° QÆ ^-Ã PiúHõ =°=ã"÷# Jaè=\$kú KOÜ«Ú@<õ , Ã
D kQÆ = `« Ã ÃÑi Q J=Híâ =Ú#"k. J~Ú`Ö W^Ö HÍÃOÖ• ZQÆ = `« Ã Ã
ÃÑ~°QÆÖË^ . ZQÆ = `« ÃÖ• ÃÑ~° QÆ ^-Ã`«<õ ~=QÍ LO_»\ixH J<ÖHõ
=ã" Î=ÚÃ <â}°`«`«<õ ~=QÍ LO_»@O, ^è~° Z<õ ~=QÍ LO_»@O =Ã# áÈ\©
Hí~°}O HÍQÍ 'ê÷xHõOQÍ _ç= O_£ Z<õ ~=QÍ LO_»@O =Ã# = #O Z<õ ~=" Ú`

Ñ"\ ìHõ 35.1

Éèj~° «^Öâ O Ü ÚHõ~ "á°áê~° âš+"O 1980 - 1981 # Oz 1993 -94 =~

ã"O= `«û~°QÆ = `« Ã qÃ =	kQÆ = `« Ã qÃ =	"á°áê~° âš+"O
1980-81	6,576	12,544
1989-90	22,229	40,642
1990-91	33,153	50,086
1991-92	44,923	51,418
1992-93	54,762	68,863
1993-94	71,146	78,630

35.4J^-\$âß°OâßÃ Ñ"~ ÌÃ âš+"O

J^-\$âß°OâßÃÖ• ;ã=Ã =ÚY°" ÿ#q. g\ Ö• + Ñ ÊOQ , q^Öj OËÑ"Ü« }C
|kb K e;ONÑ"ÜÃ " Ú^~AQÆ #q =ÚY°" ÿ#q. D OEH O^~ XHõ ^∈x`«~° "à`« »

1. ;ã=Ã - Éi°OH OQ , cè= , + Ñ ÊOQ

Éi°OH OQ , cè= , + Ñ ÊOQ = iÜ«Ú Hõ#ûÖò> xû ;ã=Ã XHõ ^Öâ O =
D ;ã=Ã# WOH Hõ ^Öâ O#<õ JOkOz#Ñ"ÜÊ_» ^∈xx ;ã=Ã ZQÆ = u JO^~
OË^=°OÖ• P^∈Ü« O á†O^~ # . J^Öq^è-OQÍ XHõ ^Öâ O D ;ã=Ã# WOH H
q^Öj OË^=°O K e;OK«=Ö # .

2. q^Öj Ñ"~â°@Hõ ~°OQÆO

q^Öj Ñ"~â°@Hõ ~°OQÆO J<Ök q^Öj OË^=°O á†O^~\ixH , K e;OK«\i
XHõ ^Öâ O ã"O^~i ;ãÎ J`«# OË^=°O# Ñ"~°\ OKÖ ^Öâ OÖ• Y~° Û KOÜ«
ã"O^~i OK«^~e;ãÎ J`«xH P ^Öâ OË^=°O HÍ=Ãã # =K« Û# . nx =Ã# q^Öj

x = #^Ôâ O Û ÚHõ~ q^Ôj "â°áê~°OÖ• Ö•@ LO_»\ixH QÆÅ HÍ~°
 `«'õ ~°QÍ ÃÑ~°QÆ@O, kQÆ = `« Å Z'õ ~°QÍ ÃÑ~°QÆ@O.
 x qq^è~ ~°HÍÖ .# ¿ã=Å =ÚY°OQÍ q^Ôj @ i[O, ÃÑ@ i|_» ÅÃÑ. =K
 K e¡ONÑ"ÙÅ " Ú~Ö .#q J^-\$âß°Oâ =ÚÅ . D J^-\$âß°Oâ =ÚÅÃÑ. =
 `Ö_®# J^-\$âß°OâßÅ âš+"=Ú JO^ ~° . Éèĩ~° «^Ôâ OÖ• D âš+"=
 H O`« " ~° QÆ QÍ LO_» # .

35.1áê~îâ°Oâ =ÚÖ•x OEN"â "Å

D OEH Ok MĩmÅ# Ñ"ÓiONÑ"Ù=Ú.

1. ZQÆ = u =ã" Î=ÙÅ qÅ =õ , kQÆ = u =ã" Î=ÙÅ qÅ =õ =^è~° `Ö_®
 âš+"O, Ö•@ , ÖİÉèíO)
2. J^-\$âß°OâßÅ ZQÆ = `« Å qÅ =õ , kQÆ = u qÅ =õ QÆÅ `Ö_®#
 `Ö_®, âš+"O, q QÆ Å , Ö•@)
3. 'ê" «OÖE`«°O =zÛ# ^~QÆæ~° # Oz Éèĩ~° «^Ôâ OÖ• "â°áê~° âš+"OÖ•
 âš+"OÖ• L#"k. (Ö•@ , q QÆ Å)

35.5HõÔ~O@ Ñ"~ úÅ Mĩ`âÖ• K e¡ONÑ"ÙÅ âš+"=Ú

Current Account of Balance of Payments Account

"â°áê~° Ñ"~ Ì, J^-\$âß°OâßÅ Ñ"~ Ì HõeÑ , HõÔ~O@ Mĩ`âQÍ ¿Ñ~ ~#=
 J^-\$âß°OâßÅ âš+"=Ú# HõeÑ HõÔ~O@ Mĩ`âÖ• âš+"=ÚQÍ K Ñ"Ê=K« Û#
 HõÔ~O@ Mĩ`â K e¡ONÑ"ÙÅ âš+"OÖ• ^~\$âß°OâßÅ J= ,HÍÅ , H # QÀà
 Öİ"â^ÖgÅ QÍ ¿Ñ~ ~#=K« Û. = #^Ôâ O Û ÚHõ~ HõÔ~O@ Mĩ`â K e¡ONÑ"ÙÅ
 q=iOK«_»" ÿ#k. Ñ"\ ìHõ OEN"HÍ~°O = #^Ôâ Ñ"Ù "â°áê~° âš+"=Ú ZÑ"ÙÊ_
 Z'õ ~°=ã"O= `«û~âÅ q QÆ Å QÍ<Ö L#"k. HõÔ~O@ Mĩ`â âš+"=Ú# "â°áê~°
 HõeyÜ«ÚO_» # .

Ñ"\ ìHõ 35.3

ã"O= `«û~°O"â°áê~° âš+"O	xHõ~° J^-\$âß°OâßÅ	HõÔ~O@
1980-81	-5967	4,311
1989-90	-12413	1025
1990-91	-16934	-435
1991-92	-6495	4258
1992-93	-14101	1337
1993-94	-7484	3849

QÆ îĬOK« HÀ=Ãã # JOâ =ÚÃ

x HõÔ~O@ Mĩ`ãÖ• "ã°áê~° Ñ"ˆ ÌÃ = iÜ«Ú Jˆ\$âß°OâßÃ Ñ"ˆ Ì H
 "ã°áê~° âš+"=Ú = iÜ«Ú Jˆ\$âß°OâßÃ âš+"=Ú HõeÑ HõÔ~O@ M
 HõÔ~O@ Mĩ`ãÖ• = #^Õâ O ZÃjÑ"ÙÊ_» Ö•@ # HõeyÜ«Ú#"k. J
 HõÔ~O@ Mĩ`ãÖ• Ö•@ , "ã°áê~° Ö•@ Hõ<ã" `«ö¯=QÍ L#"k. Jˆ
 =Ã# Wk 'ê^è-°Ñ"ˆ_» K« #"k.

35.2 áê~îã°Oâ ŒEN"â "Ã

D ŒEH Ok MĩmÃ# Ñ"ÓiOK« =Ú.

1. "ã°áê~° âš+"=Ú# , Jˆ\$âß°OâßÃÖ• q QÆ Ã HõeÑ `Õ = #ö
 Mĩ`ãÖ• âš+"=Ú, K e¡ONÑ"ÙÃ âš+"=Ú)
2. QÆ`«OÖ• Zö¯ = ã"O= `«û~ãÃ = #^ÕâßxH HõÔ~O@ Mĩ`ãÖ• âš+
 Ö•@)
3. HõÔ~O@ Mĩ`ãÖ• Ö•@ J#QÍ XHõ^Õâ O W`«~° ^ÕâßÃ # Oz =ã`Î=Ü
 Hõ<ã" kQÆ = u KÕã" H # # . (Zö¯ =, `«ö¯=)

35.6K e¡ONÑ"ÙÃ âš+"OÖ• ÃÑ@ ì|_» Ã Mĩ`ã

ÃÑ@ ì|_ç Mĩ`ãÖ• ^Õâ OÖ•H =KÕÛ ÃÑ@ ì|_» Ã , ^Õâ O # Oz " àš§ Ã
 =ÚY°" ÿ#q q^ÕâßÃ # Oz JÑ"ÙÊQÍ fã" ö #"q. J^Õq^è-OQÍ q^ÕâßÃö = #O
 = #^Õâ ã" ÷Ã , ã"Oã"÷Ã q^Õj ã"Oã"÷Ã ç+~° j H #"Ñ"ÙÊ_» "ã\ # Oz =KÕ
 q^ÕjÜ«ÚÃö K e¡OKÕ _çq_ O_£Ã D `«~°Ç" Ö• LO_» # .

D ÃÑ@ ì|_» Ã LO_Õ JOâ =ÚÃ D ŒEH Ok q^è-OQÍ =sæHõiOK«=K«

1. ã""Ü« O ŒçÑi`« ÃÑ@ ì|_ç =°=Ç" ~ãÃ
2. ã"~° úÉİ@ ÃÑ

1. ã""Ü« O ŒçÑi`« ÃÑ@ ì|_ç Öİ"ã^ÕgÃ

q^ÕjÜ«ÚÃ ^Õâ OÖ• ÃÑ\ ì# ÃÑ@ ì|_» Ã# , = #^Õâ OÖ•H =KÕÛqQÍ L
 LO_» # . J^Õq^è-OQÍ = #^Õâ ã" ÷Ã q^ÕâßÃÖ• ÃÑ>Ëì ÃÑ@ ì|_» Ã# , |Ü
 ÃÑ@ ì|_ç x~°Ü« Ã , "ã\ ÃÑ• =KÕÛ ÖİÉèİÃÃÑ• P^è€~°Ñ"ˆ_ç Ü«ÚO_» # . K
 Wk P^è€~°Ñ"ˆ_ç Ü«ÚO_»=Ü. JOˆ =Ã# "ã\ x ã""Ü« OŒçÑi`« ÃÑ@ ì|_ç Ç

ÃÑ@ ì|_ç Mĩ`ãÖ• ã""Ü« O ŒçÑi`« Öİ"ã^ÕgÃ =Ã# ^Õâ OÖ•x q^Õj Œˆ=
 J^Õq^è-OQÍ ^Õâ OÖ•xH =K« ÛK« #"^Ã ` Ã ã" HÀ=K« Û. HõÔ~O@ Mĩ`ã
 âš+"OÖ• " Ú «İOÖ•@ ÖË^€ q QÆ Ã ` Ã ã" HÀ=K« Û. D q QÆ Ã ÖË^
 ã"~° İÉİ@ [~° QÆ # .

2. ã"~° ÌÉĬ@ ÃÑ@ ì|_ç ÖĬ"â^ÕgÅ

K e_jONÑ"ÙÅ âš+"OÖ• q QÆ Å ÖĖ^€ Ö•@ =Å# "â°âê~° =°=Ç" ~âÅ
 ÖĬ"â^ÕgÅ QÍ K Ñ"Ê=K« Û. K e_jONÑ"ÙÅ âš+"OÖ• Ö•@ LO_»\İxH HÍ~°}=Ú
 ^Õâ O ZQÆ = u KÕÜ« QÍ ~â|_» Å Hõ<â" Z<õ ¯=QÍ LO_»@ "Õ . D Ö•@ # V
 ÖĬO\ JO`«~â fÜ« ã"Oã"÷Å # Oz | }İÅ ÖĖ^€ ã"Ç" Ü« O á†Ok Ñ"Ó_» ÛH
 ã"~° úÉĬ@ ~â|_» Å JO^~° .D Ñ"~°İuÖ• Ö•@ Ñ"ÓİQÍ Ñ"Ó_»ÛÖĖHõáÈ-
 q^Õj = ~°Hõ x^è- Å # O_ç Ñ"Ó_» ÛH # =Åã =K« Û# . nx=Å# ^Õâβx<õ # " q^Õ
 K e_jONÑ"ÙÅ âš+"=ÚÖ• q QÆ Å L#"@_~Ú_Õ q^Õj ã"Ç" Ü« ÖĬ"â^ÕgÅ U~
 x^è- Å# ÃÑOK« HÀ=K« Û ÖĖ^€ Ô~O_» # x~°"Ç İOK«=K« Û.

QÆ ~° İOK« HÀ=Åã # JOâ =ÚÅ

x ÃÑ@ ì|_ç Mİ`âÖ• Ô~O_» ~°Hõ=ÚÖ .# ÖĬ"â^ÕgÅ LO_» # .

1. ã""Ü« O ŒĭÑi` « 2. ã"~° ÌÉĬ@ ÖĬ"â^ÕgÅ

x ã""Ü« OŒĭÑi` « "â°âê~° =°=Ç" ~âÅ "â\ Hõ"Õ x~°"Ç İOK«|_» # .
 Ö•@ QÍ<À, q QÆ Å QÍ<À Ñ"iQÆ} OK«=K« Û. ã"~° ÌÉĬ@ =°=Ç
 q QÆ Å , ÖĖ^€ Ö•@ Å# ã"iKÕã" H # @<õ [~° QÆ # .

35.3âê~îâ°Oâ ŒEN"â "Å

D ŒEH Ok MİmÅ# Ñ"ÓiONÑ"Ù=Ú.

1. ÃÑ@ ì|_ç Mİ`âÖ•x K e_jONÑ"ÙÅ âš+"=Ú (ZQÆ = u,
 Ñ"iQÆ}#Ö•H fã" H # # .
2. K e_jONÑ"ÙÅ âš+"OÖ•x ÃÑ@ ì|_ç Mİ`â = iÜ«Ú
 qÉèİİOK«=K« Û. (ã""Ü« O ŒĭÑi` «, ã"~° ÌÉĬ@ , =ã" Î=ÚÅ , ĭã=Å)
3. ã""Ü« OŒĭÑi` « ÃÑ@ ì|_» Å K e_jONÑ"ÙÅ âš+"=ÚÖ•x HõÔ~O@ Mİ`â<õ
4. ã"~° ÌÉĬ@ ÃÑ@ ì|_» Å ~â|_» Å# U~âÊ@ KÕÜ«Ú@ ^€"~â HõÔ~O@
 (Ö•@ , q QÆ Å)

35.7K e_jONÑ"ÙÅ âš+"Ñ"Ù Mİ`â

K e_jONÑ"ÙÅ âš+"Ñ"Ù Mİ`â# J~°úO KÕã" H # @<õ = # ^Õâ Ñ"Ù 1990
 fã" H # =K« Û.

D Ñ" \ ìHõ 35.4

1990-91 = iÜ«Ú 93-94 Å ã"O= `«û~°=Ú K e;ON"ÙÅ âš+"=Ú# K«

	1990 - 91	1993 - 94
1. kQÆ = `« Å	50086	78630
2. ZQÆ = `« Å	33153	71146
3. "â°áê~° âš+"O	-16193	-7484
4. xHõ~° J^\$âß°OâßÅ	-435	3848
5. HõÔ~O@ Mĩ`â	-17368	-3636
6. ÃÑ@ ì _ç Mĩ`â (xHõ~°)		1289852
7. " Ú`«ÎO âš+"O (5{6)	-4470	27216
8. SZOZÑ¶ # Oz (xHõ~°)	-2177	587
9. ÃÑ~° QÆ ^-Å (-) `«~° QÆ ^-Å (f) q^Õj OÆ^=° x^è- Å	2293	-27803

AN. N" \ ìHõ OEN"HI~°O 9= ^€x =Å# q^Oj OÆ^=° x^è- ÅO• ÃÑ~° QÆ
ã"= `ÒÅ°O KÕÜ«Ú# .

U_ »= ^€x =Å# 1990-91 ã"O= `«û~°=Ú K e;ON"ÙÅ âš+"O " Ú`«ÎO 4,470
Mĩ`âÖ• 17,368 HÀ@ j ~° áêÜ« Å Ö•@ LO_ »QÍ, J~Ú`Õ ÃÑ@ ì|_ç Mĩ`â xHõ~°

ÃÑ. Ñ" \ ìHõÖ• 5= ^€x, 6= ^€x =Å<Õ " Ú`«ÎO K e;ON"ÙÅ âš+"OÖ• Ö•@
H O`« ÉèİQÆ=Ú (12,177 HÀ@ j) JO`«~â fÜ« OÆ^=° xkè # Oz =#=Ú fã" H
q^Õj OÆ^=° x^è- ÅÖ• `«~° QÆ ^-ÅQÍ ¿Ñ~ `#=K« Û. D q^è-OQÍ " Ú`«ÎO
O_ç = iH O`« ÉèİQÆO q^Õj OÆ^=° x^è- Å # Oz á†O^|_çOk.

J^Õq^è-OQÍ 1993-94 K e;ON"ÙÅ âš+"=Ú Ü ÚHõ Ñ"iã ÷u 1990-91 <õ
HõÔ~O@ Mĩ`âÖ• 3,636 HÀ@ j ~° áêÜ« Å Ö•@ LO_ »QÍ ÃÑ@ ì|_ç Mĩ`â
ÃÑ@ ì|_ç Mĩ`âÖ• q QÆ Å HõÔ~O@ Mĩ`âÖ• Ö•@ Hõ<â" Z<õ =QÍ L#"k. JO
q QÆ Å 27,216 HÀ@ j ~° áêÜ« Å . D ã"O= `«û~°OÖ• JO`«~â fÜ« OÆ^=°
=zÛ#k. ^€x =Å# q^Õj = ~°Hõ xÅ"ÅÖ• 27,803 HÀ@ j ~° áêÜ« Å xHõ~° ÃÑ

ÃÑ. Ô~O_ » ã"O= `«û~âÅÖ• HõÔ~O@ Mĩ`âÖ• Ö•@ L#"k. XHõ^Õâ
HõÔ~O@ Mĩ`âÖ• Ñ"iã ÷ux | ì JOK«<â "ÕÜ«Ú^ ~° . HõÔ~O@ Mĩ`âÖ•
Mĩ`âÖ• Ö"i"â^ÕgÅ# *İEQÆ`ÎQÍ x~°"Ç İOK« # . WOH Hõ ~°HõOQÍ K áêÊÅ
kQÆ = `« Å `«yæOK« HÀ"âeû =K« Û# .

PiúHõ QÆjİOHõ Ñ"~°OQÍ K Ñ"Ê=Ö #O>Ë K e;ON"ÙÅ âš+"O ZÅjÑ"ÙE
 _a\òÅ " Ú «ÎO ÆÔH_ç\òÅ ã"= #OQÍ LO_Õ@@ j K« ã" H #=Ö # . HõÔ~O
 ÑÑ@ ì|_ç Mİ`âÄÖ• "âi âš+"=ÚÅ " Ú «Î=Ú Ö•@ QÍh, q QÆ Å QÍh K« Ñ"=
 Öİ"â^ÖgÅ`À D Ö•@ QÍh, q QÆ Å QÍh ã"= #OQÍ LO_»=Ö # . HõÔ~O@
 ÑÑ@ ì|_ç Mİ`âÖ• Ö•@ ã"~° İÉİ@ ÑÑ@ ì|_ç Mİ`âÖ• q QÆ Å QÍ K« Ñ OK
 " Ú «ÎO âš+"O 4,470 HÀ@ j ~° áêÜ« Å 1990 - 91 Ö•@ QÍ ĸÑ~`#=K« Û. V
 ÑÑ@ ì|_ç " Ú «ÎO =ÚO~ | }İ`«Hõ ã"= `ÒÅ°=Ú LO_» # . J^Õq^è-OQÍ S
 Öİ"â^ÖgÅ "â\ " Ú «ÎO ~° . 4,470 HÀ@ j. JO~ =Å# " Ú «ÎO Ö•@ D ã"~° İÉİ
 JO~ =Å# D K e;ON"ÙÅ âš+"=ÚÖ• ã"= `ÒÅ°O U~°Ê_» # . J^Õq^è-OQÍ 1
 Mİ`âÖ• âš+"=Ú, ã"~° İÉİ@ ÑÑ@ ì|_çÖ• âš+"=Ú HõeÑ ~° . 27,216 HÀ@
 ã"O H`«=Ú HõeyÜ«ÚO_» # . ^εxx Ñ"\ İHõÖ• 7= S@"£ QÍ K« Ñ OKâ~° . J
 ã"~° İÉİ@ Öİ"â^ÖgÅ "â\ " Ú «ÎO -27,216 HÀ@j ~° áêÜ« Å . " Ú «ÎO g
 ã"= #OQÍ LO_»=Ö # . D ã"= `ÒÅ°O KÕĸã HÍ~°HÍÁ =ÚY°OQÍ JO`«~â fÜ«
 W`«~° ^ÕâßÅ ã"Ç" Ü« O, q^Õj Æ~°=° x^è- ÅÖ• ÑÑ~° QÆ ^-Å, ÖË^ε`«O

D áê~îâ°Oâ OÖ• K Ñ"Ê|_ç# Jx" JOÔHÅ " Ú «ÎO ~° áêÜ« ÅÖ• W="|_ç#
 K«iÛOK« K« , = iÜ«Ú ~° áêÜ« ÅÖ• q=iOK«\İx" g ~° Pâ Û~°áÈ=K« Û. " Å
 ÅaèOK« # . J~Ú`Ö `«"İ «OQÍ J~°úO KÕã" HÀ=İxH ~° áêÜ« ÅÖ• W="|_ç#

QÆ ~° ÎOK« HÀ=Åã # JOâßÅ

- x HõÔ~O@ Mİ`â ã"= `ÒÅ°=Ú K e;ON"ÙÅ âš+"OÖ• Ö•@ ÖË^ε q
- x ã"~°Ü« O ÆĸÑi`« Öİ"â^ÖgÅ ^ε"~â D Ö•@ # ÖË^ε q QÆ Å # ã"
- x K e;ON"ÙÅ âš+"=Ú ZÅjÑ"ÙÊ_» K e;ON"ÙÅ = iÜ«Ú ~â|_» Å ã"=
 ã"~° İÉİ@ Öİ"â^ÖgÅ ^ε"~â [~° QÆ # .

35.4 áê~îâ°Oâ ÆÑ"â "Å

D ÆH Ok "â\ Ö•`«Ñ"C / XÑ"ÇÅ# QÆ îİOK«O_ç.

1. K e;ON"ÙÅ âš+"=Ú Ü ÚHõ~ ã ÷u ÑÑ@ ì|_ç Mİ`â ^ε"~â `eÜ« *ËÜ« =
2. HõÔ~O@ Mİ`âÖ• âš+"=Ú, ÑÑ@ ì|_ç Mİ`â âš+"=ÚÅ " Ú «ÎO P ^Õâ O
 K Ñ"Ê=K« Û.
3. K e;ON"ÙÅ âš+"OÖ• " Ú «ÎO K e;ON"ÙÅ = iÜ«Ú " Ú «ÎO ~â|_» Å Z
4. ã"~° İÉİ@ Öİ"â^ÖgÅ K e;ON"ÙÅ âš+"OÖ• ã"= `ÒÅ°O# HõÅ QÆ KÇ

g ~° <Õ~° Û<õ #”k

K e_jONÑ”ÙÀ âš+”OÖ• “â°âê~° Ñ”~ Ì, =ã” Î=ÙÀ ZQÆ = “ Å =Å# =K«
U~°Ê_» K e_jONÑ”ÙÀ QÍ LO_» # . q^Õj = ~°HõÑ”Ù ~â|_» Å , q^Õj = ~°HõÑ”
P ^Õâ O Û ÚHõ- “â°âê~°Ñ”Ù Ñ”~ ÌÖ• q QÆ Å O_» # . J^Õq^è-OQÍ q^Õj
Hõ<â” “<õ ~ =QÍ# #”@j~Ú`Õ q^Õj = ~°Hõ K e_jONÑ”ÙÀÖ• Ö•@ LO_» # . = #
“â°âê~°Ñ”~ ÌÖ• = #<õ Ö•@ L#”k. nxH HÍ~°}=Ú = # ZQÆ = “ ÅÖ• ÑÑ
ÑÑ~° QÆ ~Å ~@ Z<õ ~ =QÍ L#”k.

J~\$âß°Oâ OÖ• =ÚY° “ ÿ#q F_»Å ^€“~â ~°”â}Ì, ÉÏ°OH OQ , cè= “ Ú[^]
Ñ”~â°@Hõ~°OQÆO, =_ô¤ = iÜ«Ú q^Õj ~° }ÌÅÑÑ• _çq_ O_£Å , ÑÑ@ ì|_
“ Ú~ÅQÆ #q LO_» # . J~\$âß°Oâ =ÚÅ`À q^Õj Æ~°=°O ~° ¿Ñ}Ì =KÕÛ ~â
J~\$âß°OâßÅÖ• âš+”=ÚQÍ K Ñ”Ê=K« Û. D J~\$âß°Oâ =ÚÅ ^€“~â =KÕÛ
Z<õ ~ =QÍ L#”@j~Ú`Õ ^€xx J~\$âß°Oâ =ÚÖÖ• q QÆ Å QÍ# , J^Õq^è-OQÍ
“<õ ~ =QÍ L#”@j~Ú`Õ J~\$âß°Oâ =ÚÅÖ• Ö•@ LO_» # . H x” ã”O= “û~
J~\$âß°Oâ =ÚÖÖ• q QÆ Å L#”k.

“â°âê~°âš+”=Ú# , J~\$âß°Oâ =ÚÅ âš+”=Ú# HõeÑ`Õ = #<õ HõÔ~O@
HõÔ~O@ MÌ`âÖ• ZÑ”ÙÊ_» Ö•@ LO@ #”k. ÑÑ•QÍ DÖ•@ ÑÑ~° QÆ “

= ~ Hõ MÌ`â ÑÑ@ ì|_ç MÌ`â. D ÑÑ@ ì|_ç MÌ`âÖ• K e_jONÑ”ÙÀ âš+”=Ú
= iÜ«Ú K e_jONÑ”ÙÀ `Õ_®# ` Å Ñ”Ù# . D ÑÑ@ ì|_ç Ñ”~ ÌÖ• XHõ ^Õâ =Ú
^ÕâßÅ<õ | }ÌÅ#OkOK«@O, J^Õq^è-OQÍ q^Õj ã”Oã”÷Å ¿+~° j H#@O, q
LO_» # . ÑÑ@ ì|_ç MÌ`âÖ•x ÖÌ”â^ÕgÅ# ã”“Ü« O Æ¿Ñì “ = iÜ«Ú ã”~° ÌÉÌ
MÌ`â`À ã”O|O^è-O ÖË<õ O_®JO>Ë Ö•@ , ÖË^€q QÆ Å `À ã”O|O^è-O ÖË
ÑÑ@ ì|_» Å JO^~°. J~Ú`Õ ã”~° ÌÉÌ@ ÖÌ”â^ÕgÅ = Æ`«O HõÔ~O@ M
Ü«ÚO_» # .

HõÔ~O@ MÌ`âÖ• âš+”=Ú, ã”“Ü« O Æ¿Ñì “ ÑÑ@ ì|_ç MÌ`â ÖÌ”â^Õg
K e_jONÑ”ÙÀ âš+”OQÍ ¿Ñ~ ~#=K« Û. ã”~° ÌÉÌ@ ÑÑ@ ì|_çÖ•x ÖÌ”â^ÕgÅÖ•
âš+”OÖ• q QÆ Å ÖË^€ Ö•@ # Ñ”Ó_» Û# .

âê~îâ°O` «~° ÆÑ”â ”Å

1. “â°âê~° âš+”OÖ• `Õ_®Å J#QÍ<Õq ?
2. “â°âê~° âš+”O# J~\$âß°OâßÅÖ• âš+”=Ú#<õ `Õ_®# q=iONÑ”Ù=Ú?
3. K e_jONÑ”ÙÀ âš+”OÖ• HõÔ~O@ MÌ`â# ÑÑ@ ì|_ç MÌ`âÖ• `Õ_®Å# q=
4. ã”“Ü« OÆ¿Ñì “ ÖÌ”â^ÕgÅ<õ , ã”~° ÌÉÌ@ ÖÌ”â^ÕgÅ<õ `Õ_®Å# q=iC
5. U^Õx ^Õâ O Û ÚHõ- K e_jONÑ”ÙÀ âš+”O Û ÚHõ- J~âúx” q=iOK«O_ç?

ã"= ^è€<åÅ

áê~îâ°Oâ ŒÑ"â "Å 35.1

1. "å°áê~° âš+" 2. J^-\$âß°OâßÅ `Õ_® 3. Ö•@ , q QÆ Å

áê~îâ°Oâ ŒÑ"â "Å 35.2

1. HõÔ~O@ Mĩ`åÖ• âš+"=Ú 2. Ö•@ 3. Z‹õ ¯=

áê~îâ°Oâ ŒÑ"â "Å 35.3

1. ÃÑ@ ì|_ç 2. ã""Ü«~Oìí@Ñi`«, 3. ã""`«Oœ`«" ÿ#q 4. Ö•@

áê~îâ°Oâ ŒÑ"â "Å 35.4

1. `«Ñ"C 2. XÑ"C 3. XÑ"C 4. XÑ"C

áê~îâ°O`«~° ŒÑ"â "Å

1. ÃãHõ <£ 35.3 K«^=O_ç.
2. ÃãHõ <£ 35.3 = iÜ«Ú 35.4 K«^=O_ç.
3. ÃãHõ <£ 35.6 35.6 K«^=O_ç.
4. ÃãHõ «£35.6
5. ÃãHõ <£ 35.7

36. =, Å^è-# ŒÑ""åÇ"ïO q^Õj ÑÑ@ ì|_ç = iÜ«Ú ã"Ç" Ü« =

(Inflow of Capital : Foreign Capital and Foreign Aid)

36.1 LáÈ^€f`«O

J" iHÍ, ÔH#_®, Œá¶ê<£û, [áê<£, Ç" OQ HÍOQ , ã OQÆÑ"Ó~ü =O\ H
D ^ÕâßÅÖ•x ŒÑ"[Å J`« °#"« ŒÑ"= }İÄ`À rqã" ÎO_»@O = #H ` Å ã" . HÍx
[<åÉèĭ = Œ`«"Õ D Jaè=\$kú K Ok# ^ÕâßÅÖ•x=ã ã" Î<å"~°. 1/3 = =O`« [<
= iÜ«Ú ^-H } J" iHÍ Éèĭ~° «^Õâ O, áêH 'êĭ<£, |OQÍ|^Õâò, WkäÜ Ñ¶ Ü« =
x~°Hõ ~ãã"°malmutlörÚa\ Ö•"å°Ñ`«" yÜ«Ú#"k. Jaè=\$kú K O^`« # ^ÕâßÅ
r=# ŒÑ"= }İÄ# ÑÑOK«_»O. = ~Ä = @Ö• K áêÊÅO>Ë Pi÷Hõ =°=ã÷Å Ja

WO`« ŒH`«O áê~î°OÖ•Pi÷Híaè=\$kú J#QÍ Uq \•` Å ã" <õ <å"~°. q QA
=, Å^è-#O J`«°O`« (=ÚY°" y#) QÆ}hÜ« " y# áêŒ`« áÈ+ ã" ÎO^x <õÄ_® K
D ¿Ñ^ ^ÕâßÅÖ•'ê= #° ÅHõ }O. JO^ =Å# JkèHõ =, Å^è-#=Ú Hõeæ LC
JO`«~°æ`« =#~° Å ^€~å J#QÍ =°H ÎQÆ`« á†^ Ñ"ÜÅ ^€~å, = iÜ«Ú ÉĬÇ"ĭ
q^ÕjÜ«ÚÅ ÑÑ@ ì|_» Å ~° Ñ"OÖ• á†O^=K« Ū# . D áê~î°O q^Õj =, Å^è-#
JO`«~å fÜ« ã"Oã÷Å # O_ç XHõ ^Õâ OÖ• =, Å^è-#O JO`«~ü ŒÑ""åÇ"ïO,

36.2 ÅH Í°Å

- D áê~î°O K«kq#`«~å"« g ~° D ŒH Ok JOâßÅ ` Å ã" <õ Oĭ~° .
- x PiúHíaè=\$kú ŒHõ= OÖ• =, Å^è-#O áêŒ`«# q=iOK«_»O.
- x JO`«~°æ`« = iÜ«Ú ÉĬÇ" ° =, Å^è-# = ~åæÅ# QÆ iĭOK«_»O.
- x XHõ ^Õâ Pi÷Híaè=\$kúÖ• q^Õj =, Å^è-#O Ü ÚHõ J=â °Hõ`«# QÆ iÜ
- x q^Õj =, Å^è-# JO`«~ü ŒÑ""åÇ"ĭ qq^è- ~° áêÅ# =~° ã"Ö• q=iOK«_»O
LÑ"Ü QÆO QÆ iŪ q=iOK«_»O.
- x Éèĭ~°« Pi÷Hõ =°=ã÷Ö• Jx" ~°HÍÅ q^Õj =, Å^è-# JO`«~ü ŒÑ""åÇ"ĭÑ

36.3JO`«~°æ`« =, Å^è-# =#~° Å

XHõ ^Õâ O ^€x Ü ÚHõ ŒÑ"ã" Î« P^€Ü« O " Ú`åĭx" qxÜ QÍxH "å_»#
~° á†O^`« Ok, HÍx D ŒHõ= OÖ• H O`« ÉèĭQÍx" á†^ Ñ"ÜKÕã , = iO`« L`

ÃÑ@ì_®xH LÑ"Ü yã" ÎOk. á±^ N"Ü KÕÜ« _»O = iÜ«Ú ÃÑ@ ì_ç ÃÑ
 ~° á±OkOK«_»OQÍ ¿Ñ~ ¯#=K« Û.

XHõ ^Õâ O Ü ÚHõ- á±^ N"Ü, P^Õâ OÖ•x qq^è- Pi÷Hõ qÉèIQÍÁ á±^
 qÉèIQÍÁ# D ÆH Ok q^è-OQÍ qÉèÍ'êÎ~°. 1. QÆ\$Ç" Å - =°õ ÎÁ ÖÏÉè¿ÑH
 " Ú^Ö #q. 2. ÆÃÑ."Õ\ò HÍ~ Ê ~\ò qÉèIQÆO - ÃÑ^Ì "à} [° ã"Oã"÷Å =O\
 ÆÑ"Éèí`«" qÉèIQÍÁ = iÜ«Ú ÆÑ"Éèí`«" ã"Oã"÷Å# Hõey LO_Õ Ñ"a¡H± ~°
 80%) QÆ\$Ç"Í qÉèIQÆO # O_ç =ã" ÎOk. ÆÃÑ."Õ\ò HÍ~ Ê ~\ò qÉèIQÆO ã"
 "à\Í KãÖÍ`«õ ¯=QÍ# , H x" 'ê~° ¡ < ÔQ\ "£ QÍ# LO@ Ok.

'ê"« «OÖ`ã°#O`«~°O H <Õ"à §áê@ á±^ N"Ü ~@ KãÖÍ`«õ ¯=QÍ LO
 âß`«O). Jk WN"C_» ã" = ~° 25 âß`ãxH ÃÑiyOk. HÍx, Jaè=\$kú K O^x ^
 á±^ N"Ü âß`ãÅ KãÖÍ`«õ ¯=QÍ LO@ <ã"~Ú. = iÜ«Ú JO^ =Å# "ài Jaè=
 ã"Oã"÷Å # O_ç ÉèIs =,Å^è-<ãÅ ÆÑ"ãÇ"ÍO ~ã=Åã # J=ã"~°O ZO` <ã LO

36.4q^Õj =,Å^è-#Q (Foreign Capital)

Z. J~°(Meaning)

=,Å^è-#O J<Õk ÃÑ@ ì_ç HÀã"O "ã_Õ " Ú`ãÎÁõ =íã" ÎOk. Éè uHÍ~
 q^è€#OÖ• LÑ"Ü yOKÕ Ü« OÖ`« 'ê= Æy, áê¡O@ , Ü« OÖ`ãÅ = 'êÎ~Ú. J
 =ã" Å KÕ¿ã Æ^-"ã°x" ã"÷Å ¿ãHõ~°}õ , QÆ\$Ç"Íx~ã,}ÍxH , L`«ÊuÎ HÀã"O LI
 = ~À q^è-OQÍ K áêÊÁO>Ë á±^ N"Ü = iÜ«Ú = ^ N"Ü J<Õ Ô~O_» Ñ" # Å

XHõ ^Õâ OÖ•x=ã OKÕ ÆÑ"[Å `«= á±^ N"Ü " Ú`ãÎÁ# ÃÑ@ ì_» Åõ
 =,Å^è-#O JO\Í~°. = iÜ«Ú P =,Å^è-#O P ^Õâ ÆÑ"[Å '±O`«O HÍx, P^Õâ C
 ã"Oã"÷Å , q^Õj ÆÑ"Éèí`ã"Å Hõ# Hõ ÃÑ@ ì_» Å ã" = <õÄ¡¿ãÍ "à\ x q^Õj
 =,Å^è-#O P^Õâ x"ãã" Å HÍx "ài Ü ÚHõ- '±O`«O. JO^ =Å# , L^€Ç"Í~°}«
 =,Å^è-# ÃÑ@ ì_ç ÆH O^õ = 'êÎ~Ú. q^Õj x"ãã`« Å D H "©, JÑ"C, x^è-
 D q^è-" ý# qq^è- N"~ú`« ÅÖ• q^Õj ÃÑ@ ì_» Å ^Õâ OÖ•H ÆÑ"=Ç Í'êÎ

a. q^Õj =,Å^è-#O J^â°Hõ"« (Foreign Capital)

U ÃÑ@ ì_ç Ü ÚHõ- ÉèIQÆO q^Õj =°õ ÎÁ '±O`«" J^Õ q^Õj =,Å^è-#C
 Jk q^ÕâßÅõ K Ok# á±^ N"Ü " Ú`«ÎO = iÜ«Ú P^Õâ OÖ• Æáê* õ ÎÁ HÀã"
 q^è€#OÖ• Pi÷Hõ ã"Ç" Ü« xH , q^Õj =,Å^è-#O K Ñ"CHÀ^QÆæ áêÖ`«#
 KãÖÍ J=~À^€ÅÀ (can't pass) J#QÍ J`«°ÅÊ á±^ N"Ü âß`«O, " # Hõ|_ç# 'êO HuHõ Ñ
 = ~°HõÖ^-=°O =O\ "à\`À ÉÍ^è-Ñ" _»`« LO\Í~Ú. D ^ÕâßÅ Jaè=\$kúÔH

LO@ Ok. ÃÑ@ ì|_ç x^è- Å , # `«# 'êO HuHõ Ñ"i*ï #O, q^Õj = ~°Hõœ^=°O
q^Õj = Å^è-#O D J=~À^è€Å# JkèQÆq OK«_»OÖ• LÑ"Ü QÆÑ" _» `« Ok
= iÜ«Ú Jaè=\$kú q^è€<âx" "ÕQÆ=O`«OKÕ¿ã =,_» ÃÑ^~ì" .# JO`«~âÅ#

i) á†^~ Ñ"Ü (Saving Gap)

`«<õ = Jaè=\$kú K Ok# ^ÕâßÅ KãÖï `«<õ = P^€Ü« x" Hõey LOÏ~Ú. =
ÃÑ@ ì|_» ÅÔH. Z<õ = á†^~ Ñ"Ü KÕÜ« ÖEHõáÈ`â~Ú. Híx ÃÑ@ ì|_ç ~@
'ê÷~ÚÖ• LO_Õ@@ ; KÕÜ« _»O PiúHíaè=\$kúH J=ã~°O. ã""^Õâ OÖ•x á.
q^Õj = Å^è-#O (J#QÍ q^Õj á†^~ Ñ"Ü " Ú`âÎÅ) D JO`«~âx" xOÑ"Ü`« Ok. D
ã""^Õj = Å^è-# ã~°Ñ"~âÅ<õ `À_»Ê_ç, PiúHíaè=\$kúH J=ã~°" ÿ# x^è- Å

ii) q^Õj = ~°Hõœ^=°O (Foreign Exchange Gap)

`«<õ = Jaè=\$kú K Ok# ^ÕâßÅ<õ Ü« Oœ`« 'ê= œy = iÜ«Ú W`«~° Ñ"
LO@ Ok. P q^è-" ÿ# JkèHõ ÉèïQÆO Ü« Oœ`« 'ê= œy, Ñ"iHõ~âÅ = iÜ
J=Ü# . Hí=Ü# "â\ x `«Ñ"ÊHõ Jaè=\$kú K Ok# ^ÕâßÅ # O_ç kQÆ = u KÕÜ
K e¡OK«=Ãã # q^Õj = ~°Hõœ^=°O, ZQÆ = `« Å^€~â = œ`«"Õ ã"OáèkC
ZQÆ = `« Å KãÖï `«<õ =QÍ LO@ Ok Hõ# Hõ, "âi q^Õj = ~°Hõœ^=° ã
K e¡OÑ"Ü#<õ ã"iÑ" _ç#O`« LO_»=Ü. U^À q^è-OQÍ q^Õj = ~°Hõœ^=°O `«
Ü« Oœ`« 'ê= œy " Ú^~Ö .#q kQÆ = u KÕÜ« ÖË~°. q^Õj = Å^è-#O D
= ~°Hõœ^=°O = iÜ«Ú q^Õj = ~°Hõ œ^=° xÅ"Å = ^è-° ÉË^è€x" Ñ"Ó_çÜ
LO_»_®xH 'êÜ« Ñ" _» `« Ok.

iii) 'êO HuHõ Ñ"i*ï #Ñ"Ü (Technology Gap)

Jaè=\$kú K O^~x ^ÕâßÅ 'êO HuHõ Ñ"i*ï #Ñ"Ü " # HõÉï@ `À ã""«= `«
L`«ÊuÎ Ñ"~ú`« Å Ñ"Ü~â`«# ÿ#q = iÜ«Ú LÑ"Ü yOKÕ 'ê= œy <õÄ_» áê`«
'êO HuHõ Ñ"i*ï #O, # `«# 'êO HuHõ Ñ"i*ï #O`À = ~°Û=Ãã # J=â °Hõ`« Pi÷Hía
nx H ~°ÔH. J^è- <â`«# Ü« Oœ`« Ñ"iHõ~âÅ , Jaè=\$kú K Ok# ^ÕâßÅ# k
WO[h~°j = iÜ«Ú 'êO HuHõ xÑ"Ü} Å ¿ã=Å <õÄ_®, P # `«# Ñ"iHõ~âÅ x~â,}j
QÆ iÛ# tHõ }<õ ZO`À J=ã~°O. Jx" ~°HíÅ "â°áê~âÅÖ•# J#QÍ L`«ÊuÎ, J*ï=
" Ú^~Ö .# Jx"O\ H # `«# Ü« Oœ`âÅ kQÆ = u = iÜ«Ú q^Õj xÑ"Ü} Å ¿ã=
ZO` .<â J=ã~°O. q^Õj = Å^è-#O # `«# Ñ"i*ï #O`À <õÄ_ç# Ü« Oœ`« 'ê=
= iÜ«Ú xÑ"Ü} Å ¿ã=Å# qq^è- ~°OQÍÄÖ• á†O^~ïxH LÑ"Ü QÆÑ" _» `« Ok
Jaè=\$kúx á†O^~QÆÅ QÆ`« Ok. Hí\ ì q^Õj = Å^è-#O, 'êO HuHõ Ñ"i*ï #Ñ"Ü
" # Hõ|_ç# Ñ"i*ï <âxH , # `«# Ñ"i*ï <âxH QÆÄ JO`«~âx" Ñ"Ó_» ã" ÎOk.

QÆ ~° ÎOK« HÀ=Ãã # q+“Ü« Å

- x q^Õj =,Å^è-#O JO>Ë, P ^ÕâßxH K O^~x ã“Oã”÷Å ÃÑ>Ëì ÃÑ@
- x Jk ã““^Õj =,Å^è-# ã“Ñ”jÜü H `À_» J=Ü`« Ok.
- x Jk JO^— ÉÏ@ Ö• L#” q^Õj = ~°HõOE^=°Ñ”Ü = iÜ«Ú HÍ=Åã # q^Õj
QÆÅ JO`«~åx” Ñ”Ó_» ã” ÎOk.
- x Jk " # Hõ|_ç# 'êO HuHõ Ñ”i*Î xH J^è- <à`«# 'êO HuHõ Ñ”i*Î <åx”
Ñ”Ó_» ã” ÎOk.

36.1 áê~îâ°Oâ OEÑ”â ”Å

D OEH Ok "à\ Ö• `«Ñ”C / XÑ”CÅ# QÆ îOK«O_ç.

- i) Jaè=\$kú K O^~x ^ÕâßÅ "à\ Ü ÚHõ~ PiúHíae=\$kú ÔH. "ài ÃÑ@ ì|_» Å
- ii) `«<õ ~ = Jaè=\$kú K Ok# ^ÕâßÅ "à\ ã““^Õj á±^ Ñ”Ü " Ú`áiÅ / xÅ“Å<õ
KÕã” HÀ=K« Ú.
- iii) q^Õj =,Å^è-#O, q^Õj = ~°HõOE^=° ÃÑ. JO`«~åx” <õÄ_» Ñ”Ó_» ã” ÎOk
- iv) U ^Õâ O <õÄ_® ^€x Jaè=\$kúÔH. q^Õj = ~°HõOE^=°Ñ”Ü JO`«~åx” L
- v) XHõ ^Õâ OÖ• x=ã OK«x =°<õ ÎÅ Ü ÚHõ~ á±^ Ñ”Ü " Ú`áiÅ# "à_» HÀ=

36.5ÉÏÇ”Ï° =,Å^è-# (Formal External Capital)

q^ÕâßÅ # O_ç =KÕÜ =,Å^è-#O =ÚY°OQÍ Ô~O_» ~° áêÄÖ• LO@ O
(FDI) nx<Õ =°H ÎQÆ`« =,Å^è-#O Jx <õÄ_® JOÏ~°. 2. JO`«Fíå fÿ«Q }ÏÅ = i
q^Õj ã”Ç”ÍHí~°O ÖË^€ ÉÏÇ”Ï° ã”Ç” Ü« =Ú Jx <õÄ_® JOÏ~°. = ~À q^è-” ÿ#
J#QÍ q^Õj ÉÏ°O<õ Å # O_ç JÑ”CÅ , ÃÑ@ ì|_ç ã”Oã”÷Å = iÜ«Ú "à} [° ã”Oã”-
"à} [° | }ÏÅ áêOE`« KãÖÏ`«<õ ~ =.

36.6q^Õj OEÑ”“ «°Hõ ÃÑ@ ì|_ç (FDI) (Foreign Direct Investment)

q^Õj OEÑ”“ «°Hõ ÃÑ@ ì|_ç ÖË^€ =°H ÎQÆ`« q^Õj =,Å^è-#O OEH O^~x
PiúHõ =°=ã”÷ Ü ÚHõ~ ÉèÏQÍÄÖ• ÃÑ>Ëì ÃÑ@ ì|_» Å , ='êî~Ú. D q^è-” ÿ#
QÆ_çOK«_»O. HÍ\ì, ÃÑ@ ì|_» Å JkèHõ ÖÏÉèÏÅ# KÕ<õÄ ~Ü HÍ~°HõÖ
ÃÑ@ ì|_» ÄÖ• JkèHõÉèÏQÆO ÃÑ~ì q^Õj HõOÃÑhÅ "ài Ü ÚHõ~ qÉèÏG
^ÕâßÄÖ• ÃÑ@ ì|_»O ^€“~å KÕ'êî~Ú. P q^è-” ÿ# qq^è-^ÕâßÄÖ• ÃÑ@ ì|_ç
HõOÃÑhÅ# = bi<Õ+(i#Öö)ÖË^€ =°H ÎQÆ`« ã”Ïu ã”Oã”÷Å Jx JOÏ~°. ÉÏQÍ Ñ”iz`«
ÃÑÑ û HÀÖÏ, HÀHÍHÀÖÏ " Ú^Ö .# = bi<Õ+”#Öò HÍ~ Ê ~+”# j ÖË^€ |Ç”iâ

J. q[^]Õj œÑ[~] «[°]Hõ ãÑ@ ì|_» [ãã / ÖÏÉèÏ

q[^]Õj œÑ[~] «[°]Hõ ãÑ@ ì|_» Å œÑ[~]Ü [ããÖ• H x" D q[^]è—OQÍ L<ã~Ü

i) Wk ã[~]“^Õj ãÑ@ ì|_» Å<õ `À_»=Ü` « Ok

" Ú` «ÎO ãÑ@ ì|_çx, ã[~]“^Õj xÅ“À`À`è^è—°= ÜÕ °^€xHõ<ã” ãÑ^—ìkQÍ K PiúHíàè=\$kú` «“i` « QÆu#`êkèOK« @<õ `À_»Ê_»` « Ok.

ii) Wk K e|ON[~]ÜÅâšëêxH Uq[^]è—" ÿ# ã[~]= ã[~]°Å HõeÊOK«^

q[^]Õj ãÑ@ ì|_ç^€~° Å `«= ã[~]“O`« Ü« Oœ`« Ñ[~]iHõ~ãÅ# ,`ê= œyx` =°Ü« O ãÑ~° QÆ^ = iÜ«Ú K e|ON[~]ÜÅâšëêxH U q[^]è—" ÿ# œâ = LO_»

iii) Wk JO`«~ã fÜ« | } K e|ON[~]ÜÅ<õ ã“O|OkèOz# ã[~]= ã[~]°Å<õ `ã=ÜhÜ«

q[^]Õj œÑ[~] «[°]Hõ ãÑ@ ì|_» Å q[^]ÕjÜ«ÚÅKÕ œÑ[~] «[°]Hõ =ÚQÍ# = iÜ« =Å#, Jk ãÑ@ ì|_» Å uiy K e|ON[~]Ü = iÜ«Ú "ã\ ãÑ. =_ôÅ K e|ON[~]Ü =O\ ã Jq U q[^]è—" ÿ# q[^]Õj = ~°Hõœ^=° ã[~]= ã[~]°Å ÖË<õ O_® KÕ`êÎ~Ú. nxÖ• [~° q[^]ÕâßÅ<õ Ñ[~]ON[~]_»O, HÍx WHõ_», Wq L`«ÊuÎ ãÑOK«_»OÖ•`êÜ« Ñ[~]_» q[^]ÕâßÅ<õ ÖÏÉèÏÅ# Ñ[~]ON[~]_®xH J=ã[~]~°" ÿ# q[^]Õj = ~°Hõœ^=°O ã“Oáè

iv) Jk J[^]è— <ã`«# Ñ[~]i*Î # =Ú = iÜ«Ú <ã}°" ÿ# x~°“Ç”Î} " Å <õ =Å# ` Å ã“ H

q[^]Õj ãÑ@ ì|_ç ^€~° Å H`«Î Hõ~ã,QÍ~ãÅ<õ ãÑ@ì|_»"Õ HÍ<õ O_® = iÜ«Ú HÍ~°° x~ã“Ç”ÎHõ ã |†Okx fã` <õ =`êÎ~°. D xÑ[~]Ü} Å`À HõÃ ãÑ[~]x K Ñ[~]i*Î <ãx” á†O^ @ ÖË^€ "âi œH O^ tHõ } á†Ok P Ñ[~]i*Î <ãx” W`«~° HÍ~°

P. q[^]Õj œÑ[~] «[°]Hõ ãÑ@ ì|_» Å =Å# #ëèÏÅ

Wq`«<õ` = Jaè=\$kú K Ok# ^ÕâßÅ PiúHíàè=\$kúÖ• = Oz áêœ`« áË+`ê`ê“ «Oœ`«[°]Ñ[~]Ó~°“Ñ[~]Ü ~ÀÅ ã“Ü« J# ÉèÏ=O Jk = # Ñ[~]Ü~ÀQÆuH œÑ[~]u| ãÑ@ ì|_» Å =Å# Hõeey #ëèÏÅ , Ö•áêÅÖ• H x” D œH Ok q[^]è—OQÍ LOÏ~Ú.

i) Wk ã[~]“^Õj ãÑ@ ì|_» Å<õ `À_»=ÏxH |^ Å KãÖÏ`ê~° j ã[~]“^Õj HõOãÑh Jaè=\$kúx <õ O@ Ñ[~]~°Û_®xH ^ÀÇ”Î^—O KÕã” ÎOk. ã[~]“^Õj Ñ[~]iœâ = Å KãÖ Ñ[~]_» @OÖ• qÑ¶”Å = @O =Å#, Wk "ã\ =,ã "Õ`«<õ HÍ~°}= =Ü` « Ok, = iÜ« q[^]Õj HõOãÑhÅÑ. P[^]è€~°Ñ[~]_»=Åã =ã” ÎOk.

ii) Jk `êO HuHõ Ñ[~]i*Î # P[^]è— hHõ~°}Ö•`êÜ« Ñ[~]_» `« O^<Õ "ã^—O x[O HÍ Ñ[~]i*Î <ãx” J`«O`« ~°Ç”Îã”°OQÍ LOK«`ã~°. ã[~]“^Õj œÑ[~][Å "âi # O_ç <Õ~° á†O^~°.

- iii) Wk K e|ONĩ"ÙÀ âš+ "O q+ "Ü« OÖ• ã"= ã"°Å ã"\$+ iOK«^#_»O x[OH Jk Xuî_çx HõiyOK«HõáĒ=_»O x[" ÿ<â, Hóâq+ "Ü« OÖ• Xuî_ç JkèHõÅk=Ü" ZO^=Å# #O>Ē, D HõOÃÑhÅ JuÃÑ^~ì " Ú`âĀ# , ÖĪÉèĪÅ, ~âÜ« biÅ, x~â" |kb KÕ'êĪ~° = iÜ«Ú Ys^ .# q_çÉèĪQÍÅ# , x~â"Ç"Ī} 'ê= Oeyx kQÆ = u KÕã"
- iv) Wq ^Õâ Ñ"Ù `«<õ¯= œÑ"Ü [Hõ~° Ñ"iœâ = Å *Īa`âÖ• # #" Ñ"iœâ Ñ"iœâ = ÅÖ•x H = 'êĪ~Ú. 'ê" «Oœ`â°xH =ÚO^ q^Õj ÃÑ@ ĩ|_» ÅÖ• Jkè `À@ÅÖ•xH =KâÛ~Ú. (U" .`Õ q^Õj = Ô~@;Ö• J= ,|_ç JkèHõ ÖĪÉèĪÅ# HõÅ ã"iÅ , ã " O@ = iÜ«Ú W «~° ÉèĪs Ñ"iœâ = Å z#" K« Ñ"Ù K« _»|_®ã~Ú.

QÆ ~° İOK« HÅ=Åã # JOâßÅ

- x q^Õj =,Å^è-#O Ü ÚHõ` Ô~O_» q^è€Å 1EDq^ÕjœÑ"«°Hõ ÃÑ@ ĩ|_» Å KâÖĪ ÖĪÉèĪÅ Hõæ L<â"~Ú. 1. ã"~^Ç 2. q^Õj | }ĪÅ = iÜ«Ú x^è- Å .
- x q^Õj œÑ"«°Hõ ÃÑ@ ĩ|_» Å KâÖĪ ÖĪÉèĪÅ Hõæ L<â"~Ú. 1. ã"~^Ç 2. K e|ONĩ"ÙÀ âš+ "O ÃÑ. U q^è-" ÿ# Xuî_ç HõÅ QÆKÕÜ« ^_ , ã"= ã"° LO_»^~iv) JkèHõ «# Ñ"i*Ī <âx" "â_» HÅ=_®xH 'êÜ« Ñ"iœâ

âê~îâ°Oâ œÑ"â "Å 36.2

D œH Ok "â\ Ö• `«Ñ"C / XÑ"CA# QÆ îİOK«O_ç.

- i) q^Õj =,Å^è-#O, q^Õj œÑ"«°Hõ ÃÑ@ ĩ|_» Å = iÜ«Ú JO`«~â fÜ« | } =ã" İOk.
- ii) q^Õj œÑ"«°Hõ ÃÑ@ ĩ|_ç J#QÍ ã"~^Çâ OÖ• L#" HõOÃÑhÅ ç+~° ; q^
- iii) q^Õj =,Å^è-#O = iÜ«Ú q^Õj ã"Ç" Ü« O Ô~O_» <õÄ_» Jaè=\$kú Ñ"~â
- iv) |Ç"ià *Īu ã"Oã"÷Å J#QÍ Pi÷Hõ =°=ã"÷ÃÑ. œÑ"ÉèĪ=O K« Ñ"ÖĒx z#" H

36.7q^Õj ã"Ç" Ü« O = iÜ«Ú ÉİÇ"İ° ã"Ç"İHÍ~°O

q^Õj ã"Ç" Ü« O = ~ Hõ q^è-" ÿ# =,Å^è-# ~â|_ç q^Õj x^è- Å ^Õâ OÖ• œQÍO@ Å ~° Ñ"OÖ• ~â=_»O q^Õj ã"Ç" Ü« OQÍ K Ñ"Ê|_» `« Ok. D | }ĪÅ q^Õj œÑ"ÉèĪ`â"Å ÖĒ^œ œÑ"Ñ"OK« Éİ°O<õ =O\ H x" JO`«~â fÜ« ã"Oã"÷Å W'êĪ~Ú. œQÍO@ Å = ~°Å f~°Û=Åã # J=ã"~°OÖĒx^ .`Õ, | }ĪÅ xs`« HÍAO JO^=Å# œQÍO@ Å q^Õj œÑ"ÉèĪ`â"Å ÖĒ^œ ã"Oã"÷Å WKÕÛ XHõ ~°H œH O^ D œH Ok Ñ"iã ÷`« ÅÖ• = œ`«"Õ Ñ"Å =|_»`â~Ú. 1. ZÑ"C_ .`Õ J q^è-OQÍ`«<õ¯= _ô¤ = iÜ«Ú Z<õ¯= uiy K e|OKÕ ã"= Ü« O =O\ " ã" Å Éİ@

"å} [° L^Õìâ °O HõeyÖË#Ñ"Ù_» J#QÍ | }İÅ xKÕÛ ^Õâ O D | }İÅ# W=" _» O
HõeyÖË#Ñ"C_» HÍx, Jx" q^è€Å Ãã.xHõ ã"Ç" Ü« =ÚÅ ‹õÄ_®, q^Õj ã"Ç" Ü«
q #Ç" ~ÚOÑ"|_»`å~Ú.

J. ^ . "áêH Hõ = iÜ«Ú |Ç"ià Ñ"Hõ ã"Ç" Ü« O

XHõ ^Õâ O "Õ~ Hõ ^ÕâßxH WKÕÛ ã"Ç" Ü« x" ^ . "áêH Hõ ã"Ç" Ü« O
= OE`«"Õ áêÖÁæO\~Ú. J#QÍ ã"Ç" Ü« O WKÕÛ"å_» = iÜ«Ú ã"Ç" Ü« O Ñ"Ù
KÕ¿ã ã"Ç" Ü« O WO^ ‹õ XHõ L^€Ç"İ~°}.

J<ÕHõ ^ÕâßÅ HõÃã x^è– Åh" OEáEQÆ KÕã XHõ ^ÕâßxH ã"Ç" Ü«
D q^è–OQÍ Z~Ú_£ WO_çÜ« Hõ<£'ÈiÜ« O (OEÑ"ã" Î «O WO_çÜ« _ =ÃÑ " O
ã"Ç" Ü« O qq^è– ^ÕâßÅ ã"=, Ç"İ=Ú KÕÜ«Ú ã"Ç" Ü« O |Ç"ià Ñ"Hõ ã"Ç" Ü«
WO@ ~"+#Öò _ =ÃÑ " O\ò J'Èã ÜÕ +<£, Pã Ü« Jaè=\$kú Éİ°O‹õ =O\
ã"Ç" Ü« x" JO`«~å fÜ« ã"Ç" Ü« O JO\İ~° . nxx |Ç"ià Ñ"Hõ ã"Ç" Ü« O Jx‹õ
ã"Oã÷Å qq^è– ^ÕâßÅ L= ,_ç HÍ~å°K«~°} = iÜ«Ú x^è– Å ã"= ‹õÄ~° Ê =Å

P. 'ê^è€~°} = iÜ«Ú x~°†ùO^è–Ñ"Ù ã"Ç" Ü« =Ú

'ê^è€~°} ÖË^€ ¿ã"KåÙù ã"Ç" Ü« =Ú J#QÍ ã"Ç" Ü« =Ú fã" ‹õ <Õ ^Õâ O
OEáê* ‹õ İÖ•< .<å "å_» ‹õ <Õ ¿ã"K«Ùù ÖË^€ 'ê" «OE`«°=Ú LO@ Ok. P ^Ç
ã"O|OkèOz# Uq^è–" ÿ# Ñ"iHõ~åÅ# = iÜ«Ú 'ê= OEyx, U ^Õâ =Ú # O_ç H # @
¿ã"K«Ùù LO@ Ok.

D x^è– Å# OEÑ" Ö°Hõ OEáê* ‹õ İÄÖ•<Õ "å_» =Ö ## HÍx, ã"Ç" Ü« =Ú H
ÃÑ\ ì#Ñ"Ù_» , Jã"Ç" Ü« =Ú# x~°†ùO^è– ã"Ç" Ü« =Ú JO\İ~° . D ~°‹õÑ"Ù ã"Ç"
H ~°‹õ = OE`«"Õ LÑ"Ü yOKåe. JO^ =Å# nxx OEáê* ‹õ İ x~°†ùO^è–Ñ"Ù ã"

XHõ ^Õâ O ã"Ç" Ü« x" Wã" Î, P x^è– Å# LÑ"Ü yOz U ^Õâ O # O_ç ã"~
^€xx =, Å x~°†ùO^è–Ñ"Ù ÖË^€ ^Õâ x~°†ùO^è–Ñ"Ù ã"Ç" Ü« O JO\İ~° . D
J# ‹õ # ^Õâ O # O_ç ã"~° ‹õ Å kQÆ = u KÕã" H <Õ ¿ã"K«Ùù Hõey LO_»
O_ç = OE`«"Õ kQÆ = u KÕã" H #QÆÅ~° .

W. q^Õj ã"Ç" Ü« O Ü ÚHõ- ÖİÉèí#ëèìÅ

XHõ ã"Ç" Ü« O 'ê^è€~°} ÖË^€ x~°†ùO^è– ã"Ç" Ü« " ÿ Ö, P ã"Ç" Ü« x"
LO@ Ok. P ~°Hõ" ÿ# q^Õj ã"Ç" Ü« O (| }İÅ = iÜ«Ú OEQÍO@ Å), JO^ ‹õ
J# QÆ }" ÿ# OEáê* ‹õ İÅ = iÜ«Ú HÍ~°OEHõ= Å H ~°‹õ "å_» H #=K« Ü# .

J~Ú`Õ, =ÚO^ K Ñ Ê#@ ;QÍ, D ~ÀAÄÖ• ã"Ç" Ü« OÖ•, Z<õ =ÉèIQÆ x~°†ùO^è=Ú HÍ<õ O_® LO_» @ ÖË^€. Z<õ =ÉèIQÆO q^Õj ã"Ç" Ü« O O^ÕâßÅ = Ô~@j<õ x~°†ùOkèOK«|_ç LO@ #"k. x~°†ùO^è= ã"Ç" Ü« x" "å_ J#QÍ ã"Ç" Ü« x" JO^ <õ <Õ ^Õâ O "å\ H JkèHõ Œáê^è€#°" ÿ# Œáê* <õ ì H ^€xH x ~útOÑ"|_ç# Œáê* <õ ìÅ Ü« O^ = Œ`«"Õ LÑ"Ü yOK«=K« Ũ. = iÜ« Jx" Ñ"iHõ~åÅ#, ã"~° <õ Å# P^Õâ O # O_ç = Œ`«"Õ H #=Åã LO@ Ok. L^ x~°†ùO^è=ã"Ç" Ü« Å JO^KÕ;ãÎ, Éèi~° «^Õâ O J" iHÍ # O_ç = Œ`«"Õ ^è~°Å, [áê# Ö•LO_Õ ^è~°Å<õ Ô~\ ìOÑ"Ü J# <õ O^EO, JÑ"Ü_» J" iHÍ # H #QÆÅ ã"~°<õ Å ã"OY°À áÈe;ãÎ, ã"QÆO ã"~° <õ Å# = Œ`«"Õ P x^è= Å P ã"Ç" Ü« Ñ"Ü x~°†ùO^è=O, ã"Ç" Ü« O Ü ÚHõ"åãÎ= qÅ =# `«yæã ÎOk.

x~°†ùO^è= ã"Ç" Ü« =Ú#<õ `À_ . LO_» ã"= ã"°ÖË HÍHõ q^Õj ã"Ç" Ü« Jk ã"Ç" Ü« =Ú JO^ <õ <Õ ^Õâ O ÑÑ. JkèHõ ~° } Éèi~åx" Hõeyã" ÎOk. ~° } = iÜ«Ú P ~° }O ÑÑ. =_ôx x uiy K ejOK«_»O. HÍÅO QÆ_» ã" Î#" H nì D ~° } P ^Õâ O Ü ÚHõ q^Õj = ^HõŒ^=° P^€Ü« OÖ• QÆ}hÜ« " ÿ# " Ú`åÎÅ Y Éèi~° «^Õâ Ñ"Ü HõÔ~O@ MÏ`åÖ•x 1/3 = ÉèIQÆO Hõ#" Z<õ = ã" à § (ã" =ã" à §) | } ;ã"=ÅÔH. LÑ"Ü yOÑ"|_ç L#"k. WÑ"Ê\ H HõÔ~O@ MÏ`å =ã" à = # ~° } ;ã"=Å K ejOÑ"ÜÅÔH. áÈ`« #"k. x~°O`«~°O fã" <õ O@ LO_Õ ~° } JÑ"C# ÑÑOK«`« Ok. =_ôxÅ# = iÜ«Ú áè`« JÑ"CÅ Ü ÚHõ"å~Ú^€Å# K ej =KÕÛ ã"= Ü« O XHõ'èi =ÉÎOk. XHõ ^Õâ O áè`« JÑ"C# f~° Ũ@ÔH. H`«Î | } Ñ"Ü É•# '_ a\öœÎÑ)JOÏ~°. D Ñ"iã ÷u ŒÑ"= ^Hõ~°" ÿ#k ZO^ =Å# | } 'è= ~å÷°x" HÀÖ•Ê`« Ok, Wk q^Õj =, Å^è=Ú Ü ÚHõ ~å|_çx ŒÑ"u<õÄ

36.8Éèi~° «^Õâ OKÕ fã" H #|_Õ q^Õj ã"Ç" Ü« =Ú

x ~út`«O = iÜ«Ú LÑ"Ü y`«O (Authorisation and Vttilisation)

XHõ ^Õâ =Ú JO^ <õ <Õ q^Õj ã"Ç" Ü« =Ú Ô~O_» q^è€Å QÍ K Ñ"Ê|

1. x ~út`«O (Authorisation)

x ~út`«O J#QÍ q^ÕâßÅ = iÜ«Ú JO`«~å fÜ« ã"Oã"÷Å XHõ ^ÕâßxH JO " Ú`«ÎO. Wk ã"Ç" Ü« O KÕ;ã ^ÕâßÅ = iÜ«Ú ã"Oã"÷Å J# = uOz# ÖË^€ ã"Ç" Ü« x" JO^ <õ <Õ ^Õâ O "åãÎ=OQÍ "å_» <õ #" q^Õj ã"Ç" Ü« Ñ"Ü " Ú`« ã"Ç" Ü« x" J# = uOz#Ñ"Ü_» " Ú`«ÎO ã"Ç" Ü« x" X H'èi W="O. HÍÖÎ# QÆ J#QÍ Œáê* <õ ìÅ " Ú^Å ÑÑ@ ì@, qq^è= ^â Å =~°<õ Ñ"Óî KÕÜ«Ú@ " Ú` q_ ^Å KÕÜ« |_» `« Ok. x ~út`« = iÜ«Ú LÑ"Ü y`« ã"Ç" Ü« =ÚÅ = ^è=° Ñ"OK«=Åã # ã"Ç" Ü« =Ú JOÏ~°.

Éèĭ~° «^ÕâßxH 'ê“ «Oœ` «°O =zÛ#Ñ"Ê\ # O_ç 1996 = iÛ z=i =~°õ
 " Ú` «Î=Ú 1,60,481 HÀ@ ; nxÖ• 89% | } ~° Ñ"=ÚÖ•# = iÛ«Ú q ye# 11% x
 L#"k. Z<õ = âß` «O ã"Ç" Ü« (OCE) Ñ"ÜÖK« ÉĭOH
 # O_ç=zÛ#k. ^ÕâßÅÖ• *áê# J' «°kèHõ " Ú` «ÎÑ"Ü ã"Ç" Ü« x" Éèĭ~° «^Õâß
 JOkOz# ã"Ç" Ü« =Ú Ñ"\ ìHõ 36.1 Ö•q=iOK«|_ç#k. 'ê“ «Oœ` «°=Ú # O_ç = iÛ
 " Ú` «Î=Ú ã"Ç" Ü« =Ú 1,16,652 HÀ@ ; J#QÍ " Ú` «Î=Ú x ~útO` «Ü ÿ # ã"Ç" Ü

Ñ"\ ìHõ 36.1

" Ú` «Î=Ú Éèĭ~° «^Õâ =Ú JO^ <õ # q^Õj ã"Ç" Ü« =Ú (= iÛ 1996

^Ôâ O ã"Oã"÷ " Ú` «ÎO (~° ÎÄÖ•)	WzÛ# " Ú` «ÎO âß` «OÖ•	LN"Ü yOz# " Ú` « ~° ÎÄÖ• â		
IBRD	35568	22.2	27002	23.2
IDA	33389	20.8	28020	24.0
Pã Ü« Jaè=\$kúÉĭ°OH	2717	1 7.9	7169	6.1
[~°,h	8247	5.1	7836	6.7
[áê<£	5293	16.1	16234	13.9
J" iHÍ	6966	4.3	6730	5.8
~°ë(ßSSR)	14029	8.7	2716	2.3
Ü«Ú< .-> _£ H OQ _»	6217	3.9	5305	4.6
ÖH#_®	2040	1.3	1413	1.2
œá¶ê<£û	2985	1.9	2939	2.5
OPEC	2078	1.3	1894	1.6
W` «~° Ä	0452	6.5	9392	8.1
" Ú` «ÎO	160481	100.0	116652	100.0

(=, ÄO : i[~ü“ Éĭ°O<õ íáÉ~° ì, 1995-96,

36.9Éèĭ~° «^Õâ Ñ"Ü Pi÷Híáè=\$kú Ö• q^Õj ã"Ç" Ü« Ñ"Ü áê

Éèĭ~° «^Õâ Ñ"Ü œÑ"}ĭoHÍ|^ú" ŷ# Pi÷Hõ Jaè=\$kúÖ• q^Õj ã"Ç" Ü« =Ú
 œÑ"}ĭoHõ<õ Pi÷Hõ ã"Ç" Ü« O KÕÜ« _»OÖ• ^Õâ JO` «~°OyHõ á†^ Ñ"ÜÄ
 P q^è–OQÍ ^Õâ Ñ"Ü œÑ"}ĭoHõ ÄH Í°e" 'êkèOK«_»OÖ• LN"Ü QÆ Ñ" _çOk.
 q^Õj ã"Ç" Ü« =Ú = œ` «"Ö " Ú^~\ Ñ"OK«=~°~ œÑ"}ĭoHõÖ• LN"Ü yOK«|_ç

QÆ}hÜ« OQÍ ÃÑiy 8 = œÑ"}İoHõÖ• 28,700 HÀ@; 'ê÷~ÚH KÕiOk. Wk Å⁰
 ^ÀÇ"İ~ Ñ"çOk.

JkèHõ " Ú «ÎÑ"Ù q^Õj ã"Ç" Ü« Ñ"Ù ~å|ç áêiœâßq Híàè=\$kúH LÑ"Ü
 ÃÑ^~Ì L<õ ~ Hõ~å,QÍ~åÄÖ• = iÜ«Ú P q^è~" ÿ# =ÚY⁰" ÿ# Éèİs q^~ °ü, ~°å
 =O\ Ñ"iœâ = Å x~å,}İxH ã"Ç" Ü« Ñ"çOk. Jk W` «~° Ñ"iœâ = Ö .# ÉÁQÆ
 Jaè=\$kúÖ• K Ñ"CHÀ^~QÆæ áêœ` «# áÈ+ OzOk. h\ áê~° ^~Å œáê* <õ İÀ
 xi,OK«_»O ^€~å =°='êÜ« aè=\$kúH q^Õj ã"Ç" Ü« O`À_»ÊçOk.

#`«# = iÜ«Ú J`«⁰O`« J^è~ <å`«# Ñ"iHõ~åÄ kQÆ = u ^€~å q^Õj ã"Ç"
 = iO`« =ÚY⁰" ÿ# áêœ` «# áÈ+ OzOk. ã"Ç" Ü« Hí~°œHõ= ÅÖ• ÉèİQÆOQÍ
 xÑ"Ü} Å Hí~° x~å"Ç"İHõ ã |t(Okowledge)İÜ«Ú Ñ"xKÕç ã Ñ"~ú`« Å " ~° Q
 Hõ\$+ ZO`À KÕâß~° . Híx, q^Õj ã"Ç" Ü« =Ú #èèİÅ HõeyOK«x n" # =O\ k
 ã"= ã"°Å# ã"\$+ iOzOk. ã"Ç" Ü« Ñ"Ù ~å|ç Z<õ ~ = 'ê~° ; Jã"= #OQÍ# , Ö•Ñ
 JxtÛuH ^€İfã Jaè=\$kú <õ O@ Ñ" _»_@xH < = ,kQÍ [~°QÆ_@xH Hí~°}O J=
 ÃÑ. P^è€~°Ñ"ç LO_»_@xH <õÄ_@Hí~°}O J~ÚOk. g@x"O\ Hõ<å" œÑ"ã"
 =_ôæÅ K e;ON"ÜÖ• q^Õj | }O ÃÑ~°QÆ_»O =Å; ã"= ã"°Å# Z^~ ~ °O\•Ok.

36.1Éèİ~° «^Õâ Ñ"Ù q^Õj | }O

ã""^Õâ OÖ• Hí~°œHõ= Å HÀã"O x~°O`«~°O KÕç ã JO`«~å fÜ« JÑ"C
 1990 < Å PY~° <õ 75 aeÜ« <£Å_@Å~°; <õ (1,30,199 HÀ@ ;) KÕiOk. = iÜ«Ú
 @Å~° ; (3,11,792 HÀ@ ;) <õ KÕiOk. J~Ú Ö = iÜ 1996 Wk 92 aeÜ« <£@
 `«yæOk. Éèİ~° «^Õâ Ñ"Ù q^Õj JÑ"ÇÅ Ñ"iã ÷u Ñ" İHõ 36.2 K« Ñ L#"k.

Ñ" İHõ 36.2 Éèİ~° «^Õâ Ñ"Ù q^Õj | }O (= iÜ < Å = 'êO`åxH)

	1994	1995	1996
n~°fHíeHõ }O	8906.8	7473.9	8715.9
ã""ÅEHíeHõ }O	362.7	425.9	503.4
" Ú «İO }İÄ	9269.5	9900.8	9219.3
ã""ÅEHíeHõppjÖ• âß`«OQÍ)	3.9	4.3	5.5
JÑ"Ç x+~Euİ	36.9	33.0	28.9
JÑ"C - çã"ã x+~Euİ	26.7	27.4	26.4

=,ÅO : i[~ü"Éİ°O<õ íáÈ~° İ ~vd1995-96,1

XHõ ^Õâ Ñ"Ù Pi÷Hõ Ñ"iã ÷u ÑÑ. JÑ"C Ü ÚHõ- ÆÑ"Éèl=O = iÜ«Ú ^Æ. JÑ"GDP (debt - GDP)x+ "ÊuÎ À H Å 'êÎ~°. D x+ "ÊuÎ 30% Hõ<ã" Z<õ - = LO_» @O JÑ"CÅ Ö• « Ö•j Ñ" _çáÈ= _@x" ã" zã" ÍOk. x*ÍxH 1990-91Ö• 30.4% L#" D x+ H Z^—QÆ_»O Éèl~° «^Õâ Ñ"Ù JÑ"CÅ Ö• « Ö•j <õÄ~° <õ áÈÜÕ @ j KÕã 92 Ö• L#" J`«°kèHõ 'ê÷~Ú # O _ç 1995-96 Ö• ã" = ~° 29% H `«yæOk. J~Ú Ö• « Å # O _ç |Ü« @Ñ" _ç#Ñ"Ê\ H , WÑ"Ê\ H ÆÑ"= ^—Hõ~°OQÍ ^ÆxH ^— <õÄ~° <õ áÈ~Ú# W^{Mexico, Thailand, Philippines, Indonesia} iÜ«Ú (" H ûHÀ) = ÖË+ Ü«

36.1q^Õj =, Å^è—#O ÑÑ. ÆÑ"Éèl `«“Ñ"Ù q^è€#O

ÑÑ~° QÆ `« #” q^Õj JÑ"CÅ = iÜ«Ú JO`«~â fÜ« Ñ" _çáÈ=K«Û<Õ x = iOk. EÖ . 1991 Ö• Éèl~° « ÆÑ"Éèl `«“O Û ÚHõ- Ñ" ^—úuÖ•x q^Õj ã"Ç" Ü« O # O _ç q^Õj `«OÆ`«OÖ• ÆÑ"Éèl `«“O Û ÚHõ- Ñ" ^—úuÖ•x q^Õj ã"Ç" Ü« O # O _ç q^Õj `«OQÍ HõxÑ ã" ÍOk. JO`«<õ =ÚO^— HÍAOÖ•x `«OÆ`«=Ú q^Õj =, Å^è—#O KåÖÏ Ñ"iq `«" ÿ# Ñ"iOEâ = ÅÖ•<Õ J# = uON`|_çOk. nxH `À_» Éèl~°fÜ«Ú. LOK`« `« x~°Ü« ÅÑÑ. Z<õ - = J^— Ñ"Ù Hõey LO_»Å#k xÜ« = O <õÄ_® LO. " Ú«ÍO, q^Õj ÑÑ@ ì|_ç ^è—~°Å Z<õ - = Ñ"iOEâ = Ö•j áêÅ Ñ"OK« HÀ=_@x' q^°ü L`«ÊuÎ, Hõ=, °x H+`«£ " Ú^—Ö .# "â\ H q^Õj ÑÑ@ ì|_» Å PÇ" “xOK

" Ú@ì" Ú^—@Ö• 34 JkèHõ Æáê^è€#° áêiOEâßq Hõ ~°OQÍÅ# q^Õ QÆ îON`|_®~Ú. D ~°OQÍÅ *lã`ã = iO`« qã"lìOz KåÖÏ Ñ"iOEâ = Ö•j q^Õj ÑÑOK«|_çOk. D çã"KåÛùÜ«Ú«" ÿ# `«OÆ`«=Ú =Å# q^Õj ÆÑ" `«°Hõ ÑÑ ÆÑ"Éèl `«“O J# = uOz# q^Õj ÑÑ@ ì|_» Å ~° . 535 HÀ@ j = Æ`«"Õ HÍQÍ Jk HÀ@j<õ ÑÑiyOk = iÜ«Ú 1995 Ö• = iO`« ÑÑiy ~° . 30,882 HÀ@j<õ KÕiOk. 93 Ö• 0.4 aeÜ« #j _®Å~° j q^Õj ÑÑ@ ì|_ç 1994-95 Ö• 4.9 aeÜ« #j _®Å~° HõeÑ OK«_»O ^€“~â Éèl~° «^Õâ O q^Õj =, Å^è—#O ã"O= `«û~âxH 10 aeÜ

QÆ ~° ÍOK« HÀ=Åã # JOâßÅ

- x q^Õj JÑ"CÅ = iÜ«Ú x^è— Å ~° Ñ"OÖ• q^Õj ÆÑ"Éèl `«“Å , ÆÑ"Ñ" # O _ç ^Õâ OÖ•H KÕ ~ x^è— Å q^Õj ã"Ç" Ü« OQÍ K Ñ"Ê|_» `« C
- x XHõ ^Õâ O = ~ Hõ ^ÕâßxH KÕçã ã"Ç" Ü« O ^.“áêH Hõ ã"Ç" Ü
- x Jx" ^ÕâßÅ x^è— Å# áÈQÆ KÕã XHõ ^ÕâßxH ã"Ç" Ü« O KÕÜ JOÏ~° .
- x ã"“^Õâ OÖ•x JO`«~°æ`« á†^— Ñ"ÜÅ `«<õ - =QÍ LO_» @O =Åj L`« ã"Ç" Ü« O Ñ"Óiã" ÍOk.

áê~îâ°Oâ œÑ"â "Å 36.3

D œH Ok "â\ Ö• `«Ñ"C / XÑ"CA# QÆ îOK«O_ç.

1. XHõ ^ÕâßxH ~â~ÚfÅ`À <õÄ_ç# q^Õj | }İÅ W=" _@x" q^Õj ã"Ç" Ü« O
2. XHõ ^ÕâßxH JÑ"CA q^Õj œÑ" «°Hõ ÃÑ@ ì|_» Å HõO>Ë LÑ"Ü yOK
3. XHõ ^Õâ O Jq uiy K ejOK«_»OÖ• U q^è—" ÿ# ã"= ã"°Å# HõeyOK«H
| }İÅ# á†O^=K« Ū# .
4. Jaè=\$kú K O^~x ^ÕâßÅ Jaè=\$kúÔH. Ĵã"KâŪùÜ«Ú` « ã"Ç" Ü« O HõO
5. XHõ ^Õâ O JO`«<õ =ÚO^ KÕã # JÑ"CA f~°Ū_@xH H`«Î JÑ"CA K
JO\~° .

g ~° <Õ~° Ū<õ #°k

Jaè=\$kú K O^~x ^ÕâßÅ<õ JkèHõ " Ū`âÎÄÖ• =,Å^è-#O `«"i" « QÆu#
J=ã"~°=Ú J=Ū` « Ok. D ^ÕâßÅÖ• JO`«~°æ` « á†^ Ñ"ŪÅ KâÖİ`«<õ =. JO
ã"Oã"÷Å # O_ç D ^ÕâßÅ<õ =,Å^è-#O J=ã"~°O. (XHõ ^ÕâßÅ<õ Hõq^Õj @, Å
ÖË^ q^Õj JÑ"CA = iŪ«Ú x^è- Å (q^Õj ã"Ç" Ü« O) ~° Ñ"OÖ• ='êÎ~Ū.

q^Õj œÑ" «°Hõ ÃÑ@ ì|_ç JO`«~°æ` « ÃÑ@ ì|_çH `À_»=Ū` « Ok. Jk
= iŪ«Ú # `«# Ñ"i*İ <âx" J= Å KÕŪ« _»OÖ• ã"Ç" Å# «Ñ_ç »KÕŪPHxÅ^è-#O
H x" ã"= ã"°Å# ã"\$+ iã" ÎOk. q^Õj HõOÃÑhÅ ã"~°Õj L`«ÊuÎ^€~° Å<õ QÆ\
ã"~°Õj L`«ÊuÎ^€~° Å# <ââ #O KÕ'êÎ~Ū. q^Õj ÃÑ@ ì|_» Å =#~° Å# |Ū« \
J#QÍ ÖİÉèİÄ ~° ã"=Ū, ~âŪ« biÅ ~° Ñ"OÖ• q^ÕâßÅ<õ K ejOK«=Åã ~â
H x"ê~° ; ã"~°Õâ ã" ÎÄ<õ q^ÕjŪ«ÚÅ<õ 'êO HuHõ q*İ #O# Ñ"OK«_»OÖ•,
HÍ\ ì q^Õj ã"Ç" Ü« O nx HõO>Ë "Õ Å QÍ ZOK« HÀ|_» `« Ok ZO^=Åj JO
J# ã"iOz =,Å^è-<âx" "â_» HÀ=K« Ū. HÍx, q^Õj ã"Ç" Ü« O H x" 'ê~° ; xiú+"i"
x~°†ùOk`«O J=" _»O =Åj ^€xŪ ŪHõ- "â_» Hõ Ñ"iq`« Å<õ Ö•|_ç LO@ Ok.
q^Õj | } ÉèÎ~âx" ÃÑOK« `« Ok. Wk | } K ejON"Ū x+"ÊuÎx KâÖİ ÃÑOK«_»
z<õ ~<õ <Õ@ ì KÕã" ÎOk.

HÍ\ ì P^Õâ O q^Õj | }İÅ# `«yæOK« <õ x œÑ" «°Hõ ÃÑ@ ì|_» Å# PÇ
Ū ŪHõ- # `«# áêiœâßq Hõ q^è€#O q^Õj ÃÑ@ ì|_ç^€~° Å<õ J<ÕHõ ~â~Úf
áêÖÄæ<Õ@@ ; KÕã Ok. = iŪ«Ú KâÖİ ~°OQÍÅ# q^Õj œÑ" «°Hõ ÃÑ@
Ñ"~ù`« Å =Å# q^Õj œÑ" «°Hõ ÃÑ@ ì|_» Å QÆ}hŪ« OQÍ ÃÑiQÍ~Ū.

áê~îâ°O` «~° œÑ"â "Å

1. q^Õj =,Å^è-#Ñ"Ù ~â|_» Å J=â °Hõ` «# q=iOK«O_ç. =ÚY°" ÿ# =,Å^è-
 2. q^Õj œÑ" «°Hõ ÑÑ@ ì|_ç J#QÍ <Õq ? XHõ Jaè=\$kú K O^x ^ÕâßxH
 3. `«'õ = Jaè=\$kú K Ok# ^ÕâßÅÖ• q^Õj œÑ" «°Hõ ÑÑ@ ì|_ç =Å# ^-
 4. q^Õj ã"ç" Ü« O J#QÍ <Õq ? q^Õj ã"ç" Ü« O Ü ÚHõ- =ÚY°" ÿ# ã""Éèì
 5. XHõ ^Õâ Ñ"Ù Jaè=\$kú œHõ= OÖ• q^Õj ã"ç" Ü« O, q^Õj œÑ" «°Hõ ÑÑ
 6. k"áêH Hõ = iÜ«Ú |ç"ìà Ñ"Hõ ã"ç" Ü« =ÚÅ = ^è-° JO` «~°=Ú# 'È^
 7. x~°†ùO^è- ã"ç" Ü« O J#QÍ Uq ? x~°†ùO^è- ã"ç" Ü« O JO^ 'õ <Õ ^
 8. JO` «~â fÜ« | }Ñ"Ù =Å J#QÍ<Õq ? nx =ÅÖ• Ñ" _» 'õ O_» @'õ Uq KÓ
 9. `«'õ = Jaè=\$kú K Ok# ^ÕâßÅ Pi÷Híàè=\$kúÖ• q^Õj ã"ç" Ü« O Ü ÚH
- ã"= ^è€<åÅ

áê~îâ°Oâ œÑ"â "Å 36.1

- i) XÑ"C ii) XÑ"C iii) XÑ"C iv) `«Ñ"C v) XÑ"C

áê~îâ°Oâ œÑ"â "Å 36.2

- i) XÑ"C ii) `«Ñ"C iii) XÑ"C iv) `«Ñ"C

áê~îâ°Oâ œÑ"â "Å 36.3

- i) XÑ"C ii) XÑ"C iii) `«Ñ"C iv) `«Ñ"C v) XÑ"C

áê~îâ°O` «~°3 œÑ"â "Å

1. 29.4 29.5 K«^=O_ç.
2. 29.6 (Z) K«^=O_ç.
3. 29.6 (a) K«^=O_ç.
4. 29.7 K«^=O_ç.
5. 29.7 (ã) K«^=O_ç.
6. 29.7 (Z) K«^=O_ç.
7. 29.7 (a) K«^=O_ç.
8. 29.10 K«^=O_ç.
9. 29.9 K«^=O_ç.

37. # `«# "â°âê~° q^è€#O, = iÜ« ^€x

(New Trade Policy and its Implications)

37.1 LáÊ^€f` «O

XHõ ^Õâ "â°âê~° q^è€# = #QÍ ^Õâ J=ã"~â Hõ# QÆ }OQÍ ZQÆ = `«
Jaè=\$kú K O^~x ^Õâ O, Pi÷Híaè=\$kúH qq^è- Ñ"~ä-HÍÁ J= Á KÕÜ« K«
= iÜ« "â°âê~°OÖ•# #» ZQÆ = `« Á, kQÆ = `« Ö•j = ~° ÊÁ ã"OÉèíqOK« #
ÃÑ@ ì|_ç =ã" Î=ÜÁ , = _ç Ñ"~^€~°÷= Á = iÜ« W`«~° J`«°=ã"~° =ã" Î=ÜÁ
= #O kQÆ = `« Á'õ K e;OKÕ =°Ü« O ÑÑ~° QÆ K« #»k. J~ `Õ ZQÆ = `«
= #O QÆ`«OÖ• ZQÆ = u KÕ;ã =ã" Î=ÜÁ , = # Ñ"iOEâ = ÁÖ•<Õ LÑ"Ü yC
L`«ÊuÎ KÕ;ã =ã" Î=ÜÁ'õ W`«~° ^ÕâßÁÖ• _ç= O_£ LO_»@OÖË^, ^€x
= iÜ« JkèHõ L`«ÊuÎ =°Ü« O. JO^ =Á# ^ÕâßxH XHõ "â°âê~° q^è€#O HÍ"
=ã" Î=ÜÁ kQÆ = u `«yæOK«_»O, Jaè=\$kú Ñ"~OÖ• J=ã"~°" ÿ# ZQÆ = `
ã"=ã"°Á ~â'õ O_® LO_Õ@@ j KÕÜ« @O, JO^ =Á# P ^Õâ O kQÆ = u x
= Y°OQÍ kQÆ = u Ö •Ãã# ûÁ , kQÆ = u HÀlÁ = iÜ« \lîÑ¶ q^è€<âÁ J=
"â°âê~° q^è€#O =Á# U =ã" Î=ÜÁ kQÆ = ux J# = uOK«'õ O_® LO_»@O, U =
J<Õk` Á ã" HÀ=K« Û. ZQÆ = `« Á'õ HÍ"âeû# OEáÈ`âûÇ"Î= OEÑ"Éèí`«O
ZQÆ = `« Á# xÜ« OÖEuOK« K« , OEáÈ`âûÇ İOK« K« ^Õâ O Ü Hõ" `«

37.2 ÅH Í°Á

- D áê~î°O K«kq# `«~â"« g ~° D OEH Ok JOâßÁ ` Á ã" 'õ O\i~° .
- x "â°âê~° q^è€#O QÆ iOz ` Á ã" H < ^~° .
 - x XHõ ^Õâ O#'õ "â°âê~° q^è€#O ZO^ 'õ J=ã"~°" ` Á ã" H #QÆÁ~° .
 - x Éèl~°« "â°âê~° q^è€# = # JOK«<â "ÕÜ« QÆÁ~° .
 - x ZO^ 'õ # `«# "â°âê~° q^è€#O J=ã"~°" q=iOK ^~° .
 - x # `«# áêiOEâßq Hõ q^è€#O Ü Hõ- ÅHõ }lÁ# q=iOK ^~° .
 - x # `«# "â°âê~° q^è€#O ã"=ã"°Á# q=iOK«QÆÁ~° .
 - x ~° áê~ = ~°Hõ= # QÆ iOz q=iOK«QÆÁ~° .
 - x ~° áê~ = ~°Hõ= Uq^è-OQÍ = # ZQÆ = `« Á# ÑÑOK«QÆÁ~À qâš

37.3ã"Oã""~°}Å<õ = O^ "å°áê~° q^è€#O

'ê" «Oœ`«°= =zÛ#Ñ"Ê\ # Oz = # ZQÆ = `« Å kQÆ = `« Å Hõ<å" ~°
 "å°áê~° qÅ = 1970...71Ö• ~° 100 HÀ@ ; HÍQÍ, Wk 1990...91= ã"O= `«û~°=
 J~ `Õ^Õâ O Jaè=\$kú HÍ~°OEHõ= Å<õ HÍ=eû# kQÆ = `« Å<õ K e;OKåeû#
 ZQÆ = u ^€"~å á±O^Õ ã"Oáê^#Å KåÖï `«õ =QÍ L#"q. JO^ =Å# kQÆ
 ÑÑOKÕ q^è-OQÍ OEHõ= Ñ"^-ìuÖ• K«~°Å fã" HÀ"åeû# J=ã"~°Õ ~°Ê_ç#k
 qkèOK«@O, ZQÆ = `« Å# OÉáÈ`«ûÇ İOK«@O nxÖ• OEN"~è€#" ÿ#q.

Z. kQÆ = `« Å# xÜ« OœuOK«\xH fã" H #" K«~°Å

1. kQÆ = u Ö . ÑQÆÅ `« Å q^è€#= # H ;+`ì`«~°O KÕâß~° . OEN
 ÖË<õ O_® Un kQÆ = u KÕÜ« <õÄ_»^ ,
2. kQÆ = u BÀq^è€#O OEH O^ kQÆ = u KÕã" H <Õ =ã" Î=ÜÅ Ñ"i=
 kQÆ = u HÀ\ Ñ"i= }= Å# D Ñ"^-ìu OEH O^ x~°~ OK ^~° .
3. \iñ¶ Å ÖË^€ Hõ+`ìkQÆ=OxH# :OÉáÈ`«ûÇ İOK«<õ O_® LO_»\
 Hõ+`ì= û ã" OHÍÅ qkèOK ^~° . XHõ"Õà "å\ x kQÆ = u KÕã" H
 ^è~°Å JkèHõOQÍ LO_ç_ç= O_£ `«QÆ æ# .
4. kQÆ = `« Å #iHå@°OÖËx H x" =ã" Î=ÜÅ kQÆ = ux J# = uOK«~

a. kQÆ = u xÜ« Oœ`«} ÅH Í°Å :

ÑÑ.# K Ñ Ê#k, = iH x" kQÆ = u xÜ« Oœ`«}Å D OEH Ok "å\ =Å# ã"= 'ê°`«

1. K e;ON"ÜÅ âş+`ìOÖe;OEHõOâ+`ì= Ö• fœ=" ÿ# Ö•@ L#"k. nxx
 fã" <õ ~å=\xH Hõî# kQÆ = u xÜ« Oœ`«}Å J= Å Ñ"~°Kåe.
2. J=ã"~°OÖËx =ã" Î=ÜÅ kQÆ=ã" uxOÖËxOÖËx=ÜÅ kQÆ = ux `«ya
 q^Õj = ~°Hõ OÊ^=°O# J`«O`« J=ã"~°O QÆÅ =ã" Î=ÜÖ .# Ü« Oœ
 kQÆ = u KÕã" HÀ=\xH LÑ"Ü yOK« HÀ=K« Ü.
3. ^ÕjÜ« Ñ"iœâ = Å<õ ~°^ÕjÜ«HõÑÊOâ=Å<õÛ:~°Hõ } HõeÊOKåeû#
 # `«#OQÍ Jaè=\$kú K O^ `« # ^ÕjÜ« Ñ"iœâ = Å `«õ =°Ü« Å
 =ã" Î=ÜÅ áÈ\©x `« @ iH #ÖË=Ü. XHõ"Õà q^Õj =ã" Î=ÜÅ ky= u
 xÅ|_»ÖË=Ü. JO^ =Å# ^ÕjÜ« Ñ"iœâ = Å =ã" Î=ÜÅ ^Õâ OÖ• J=
 kQÆ = ux xÜ« OœuOKåe, OEN"Éèí `« J# = u ÖË<õ O_® ZÖïO\
 P^Õq^è-OQÍ H x" =ã" Î=ÜÅ q+`Ü« OÖ• `«Ñ ÊOz ZQÆ = `« ÅÑÑ
 J# = uOK«x=ã" Î=ÜÅ = Y°OQÍ^ÕjÜ« J=ã"~åÅ<õ Ñ"iq`«" ÿLO_»

LO_»=Ö # . "ã"Î=OQÍ ZQÆ = ` « Å# ŒÑ"Éèì ` « "O Ñ" # "ÅÖ• " ã" /
 ŒQÍO@ Å W=" @O, ZQÆ = u ã"au_ôÅ W=" @O " ^-ÅQÆ #q l

37.4ã"Oã"~°} J=ã"~°Q

kQÆ = ` « ÅÃÑ· xÜ« Oœ` «}Å q^è€#O ^ÕâßxH JO` «QÍ ÖïaèOK«^ . q
 <ât~°HõO =ã" Î=ÜÅ# L` «ÊuÎ KÕÜ« @O, L` «ÊuÎ =°Ü« x" ` «yæOK«HõáÈ.
 QÆey#q, Z<õ =^è~° Hõey# "à\ H q^ÕâßÅÖ• ZÖïO\ = Ô~\ò LO_»^ . ZQ
 "àiH Z<À" " ã" Å ÉÏ@ Å HõeÊOz<â = # ZQÆ = ` « Å ÃÑ~°QÆÖË^ . K e
 = ~°Hõä^=° x^è- Å xÅ"ÅÖ• ã" = ã"° L~°Ê_ç#k. D Ñ"iã ÷u 1991Ö• = iO` «
 _@Å~°j<õ Ñ" _ç#k. D xÅ"Å YzÛ` «OQÍ = # kQÆ = ` « Å# K e;OK«\ixH Ô~C
 =_ôx K e;OK«\ixH <õÄ_@ = #<õ q^Õj = ~°Hõ Œ^=°O ÖË^ . q^Õj JÑ"ÜÉ
 J=Híâ = #"k.JÖïO\ Ñ"iã ÷u =Å# Éèì~° «^Õâ = Ü Hõ- | } Ñ"^-ìuÃÑ· ŒÑ
 J=Híâ = #"k. nx =Å# = #^Õâßaè=\$kúH HÍ"âeû# x^è- Å ~â<õ O_@ LO_Ö
 áèiŒâßq Hõ, q^Õj "â°áê~°, q^Õj ÃÑ@ ì|_» Å q^è€#OÖ• = ~° ÊÅ J=ã"~°C
 <õÄ_@ ã"Oã"~°}Å ~â=Ö # .

QÆ ~° IOK« HÅ=Åã # JOâ = Å

- x ã"Oã"~°}Å<õ = O^ # " "â°áê~° q^è€#OÖ• ŒÑ" ^è€#" ÿ#q.
 1. kQÆ = ` « ÅÃÑ· xÜ« Oœ` «HÍÅ 2.ZQÆ = ` « Å ŒáÈ` âuÇ"Î= #
- x 'kQÆ = ` « Å# , kQÆ = u,, Ö ·Ãã# ûÅ ^€"~â# , kQÆ = u HÅ\iÅ^€"~
 ^€"~â# , kQÆ = ` « Å# J# = uOK«HõáÈ=@O ^€"~â xÜ« OœEuOK
- x D x|O^è-#Å PtOz#O` «QÍ LÑ"Ü QÆÑ" _»=Ü. JO^ =Å# ã"Oã"~°

37.1 áê~îâ°Oâ ŒÑ"â "Å

D ŒH Ok "à\ Ö• ` «Ñ"C / XÑ"CÅ# QÆ îOK«O_ç.

1. Jaè=\$kú K O^ ` « # ^Õâ O ` «# q^Õj "â°áê~âx" xÜ« OœEuOKâe.
2. 'ê" «Oœ` «°O =zÛ# ` «~° "â` «, Éèì~° «^Õâ O kQÆ = ` « ÅÃÑ· ZÖïO\ x
3. Éèì~° «^Õâ OÖ• kQÆ = ` « ÅÃÑ· xÜ« Oœ` «}Å kQÆ = u Ö ·Ãã# ûÅ , \i
4. J=ã"~°OÖËx =ã" Î=ÜÅ kQÆ = ux çã"K«ÛQÍ J# = uOK« K« Jaè=\$kúH
 ÖË^ .
5. kQÆ = ` « ÅÃÑ· Z<õ = xÜ« Oœ` «}Å =Å# ^ÕâßÅ L` «ÊuÎ^€~° Å<õ J=

37.5# `«# "â°âê~° q^è€#O

(The New Trade Policy)

`«# q^Õj"â°âê~° q^è€#O QÆ`«OÖ•# #” q^è€#OÖ• fOE=" ÿ# = ~°
q^è€#OÖ• \iÑ¶ Å# `«yæOK« @ = iÜ« \iÑ¶ Å Ñ^~úuÖ• = ~° ÊÅ , 2 kO
KÕÜ« @O Z'õ = kQÆ = `« Å'õ Ö ·Ãã# ûÅ# O_ç q #Ç'Î~ OÑ"Ù. 3. = ~°Hõ
= ~°Hõ= # J# = uOK« " Ú^~ÅQÆ #q g\ x OEH O^~ qÑ"ÙÅOQÍ K«iÜOK«|.

1. \iÑ¶ q^è€#OÖ• ã"Oã"~°}Å

kQÆ = u KÕã" HÀ|_ç# =ã" Î=ÙÅ ÃÑ· ã" OHÍÅ OÑ"u ã"O= `«û~°O ÃÑ~
J^~Ñ"Ù ~ã|_çx á†O^~\ixH . JO^~ =Å# OÑ"Ñ"OK«OÖ• ÉèÎ~° `«^Õâ O
Ñ"iQÆ} OK«|_ç#k. L^€Ç'Î~°}õ 1991Ö• J`«°kèHõ Hõ+~"i£ û ã" OHÍÅ 35 á
~@ 85 âß`«=ÚQÍ ¿Ñ~Å~#=K« Û.

`«# "â°âê~° q^è~#O =Å# \iÑ¶ ~@ ; QÆ}hÜ« OQÍ `«yæOK«_ç#q
\isÑ¶ ~@ ã"QÍxH `«yæOK«|_ç#k, ã"QÆ@ \iÑ¶ ~@ áê=Ù=O`« <õ `«y
OÑ"Ñ"OK«^ÕâßÅ`À áÈeÛ`Ö J`«°kèHõOQÍ L#"q. L^€Ç'Î~°}õ ^ä€~ ÖiO
q^è~OQÍ WO_À<Õ+ Ü« = iÜ« W`«~° Jaè=\$kú K O^~ `« #” ^ÕâßÅÖ• <õÃ
K Ok# ^ÕâßÅÖ• D \iÑ¶ ~@ ; 7 âß`«OQÍ L#"q. nxx|\ ì ÉèÎ~° `«^Õâ O, WOH
LO_» # .

2. kQÆ = u Ö ·ÃãxûOQ Ö• ã"Oã"~°}Å

Jx" =ã" Î=ÙÅ kQÆ = uH 1991 =~°<õÄ Ö ·Ãã# ûÅ J=ã"~°O. U kQÆ = u
KÕã" HÀ=\ixH Ö ·Ãã# ûÅ á†O^~=Ö # , D Ö ·Ãã# û Ñ"OE`«OÖ•ZO`« " `«ÎC
`eÜ« Ñ"~°Û=Ö # . U =ã" Î=ÙÅ< .<ã OÑ"ÉèÎ `«“O kQÆ = u x¿+kèOz#^À F
J# = uH q Oz# =ã" Î Ñ"i= }O# kQÆ = uH J# = uOK«^~ . Wk Ñ"i= }Ì «,Hõ xÜ
HÍ<õ O_® D Ñ"i= }Ì «,Hõ xÜ« OOE`«}Å KãÖi Hõ+~"iOQÍ# , Jã"= ~°÷OQÍ# L#
á†O^~\ixH KãÖi ~ÀAA Ñ"@ ìK« #”k. nx =Å# Jqhu ÃÑiy "â°âê~° Ñ"i= }O
= QÆ K« #”k.

q^Õj"â°âê~° q^è€#OÖ• ã"Oã"~°}Å 1991Ö• " ^~Å~ #q. QÆ`«OÖ•
xÉO^è~#Å ~°^ ì KÕÜ« |_ç#q. J<ÕHõ kQÆ = `« Å# Ö ·Ãã# û Ñ"ikè # O
kQÆ = u KÕã" HÀ=\ixH J=HÍâ O U~°Ê_ç#k. J~ `Õ kQÆ = u x¿+kèOK«|_ç#
D kQÆ = uH x¿+kèOK«|_ç# =ã" Î=ÙÅÖ• U" .<ã kQÆ = u KÕÜ« ^~Åz#@ j~
D x¿+kèOK«|_ç# e+~µiÄÖ•x =ã" Î=ÙÅ# ZÑ"Ê_# ZO`«<ã kQÆ = u KÕã" H
qxÜ QÆ =ã" Î=ÙÅ , = O^~ Å , ~°êÜ« <ãÅ = iÜ« W`«~° =ã" Î=ÙÅ , z#"<
=ã" Î=ÙÅ " ^~ÅQÆ #q L<ã"~ .

ZQÆ = `« ÅÃÑ· x¿+^è-O# <õÄ_® ã~°mHõ~°} KÕã i. ZÖïO\ xÜ« O
 KÕÜ« =K« Û. J~ `Õ ZQÆ = uÖ• <õÄ_® H x" =ã" Î=ÜÅ# x¿+kèOzi. ZQÆ =
 Ñ"ijeOK« # . Ñ"~â°=~°}= #<õ , ã"= ~°÷`«<õ J# <õÄÅOQÍ ÖËx =ã" Î=ÜÅ# ZQ
 =ã" Î=ÜÅ <õÄ_® x¿+kèOK«|_ç# =ã" Î=ÜÅÖ• L#"q. 'êOã~°uHõ "â~°ã" «"=
 ZQÆ = u x¿+kOK«|_ç# e+~°µiÖ• L#"q, Ñ"~<õ Å , [O`« =ÜÅ# <õÄ_® ZQÆ =

D q^è-OQÍ 1991H = O^ q^Õj "â°áê~°OÖ• ZQÆ = `« Å , kQÆ = `«
 KÕÜ« |_ç#q. # `«# "â°áê~° q^è€#O =Å# J<ÕHõ" ÿ# Ö ·Ãã# ûÅ , = iÜ«
 ZQÆ = `« Å , kQÆ = `« ÅÖ• Z<õ = ÉèIQÆ= ¿ã"K«ÛQÍ KÕã" HÀ=K« Û.
 kQÆ = u Ö ·Ãã# ûÅ HÍ"âeû=K« Û# .

3. OËÑ"Éèí `«~°OQÆ q^Õj "â°áê~° ã"Oã~°÷Å áêOË`« `«yæOK«|

D # `«# 1991 "â°áê~° q^è€#O =Å# q^Õj "â°áê~°OÖ• OËÑ"Éèí `«~°O
 =ã" Î=ÜÅ ã"OY° `«yæOK«|_ç#q. = Y°OQÍ HOË^ "â°áê~° ã"Oã~°÷ = iÜ«
 ã"Oã~°÷Å D q^Õj "â°áê~° ~°OQÆOÖ• Ñ"ÓiÎ UHõ'ê"= °O HõeyÜ« # "q. ÅÑ^
 =ã" Î=ÜÅ# kQÆ = u KÕã" <õ # "ã"Oã~°÷QÍ Wq`«<õ =^è~°Å =^ì =ã" Î=ÜÅ#
 LÇ ÌOKâ~° . HÍx Jq #ëèiÅ# K«qK« ã" Î#"q. JO^ =Å# ZQÆ = `« ÅÖ• kQÆ
 áÈ\©HÀã"O D # `«# "â°áê~° q^è€#O áÈ\ ^€~° "â°áê~°O KÕ¿ã =ã" Î=ÜÅ

4. = ~°HõÑ"Ü ~@ Ü« [= <â°ÅÖ• ã"Oã~°~°}Å

Ñ"@=Ú 37a Ö• = ~°HõÑ"Ü ~@ x~°'Ü« Ñ"~°úux K«^ =ÜH <â"~° . q^
 ã"Ñ"jÜü , _ç= O_£Å x~°'~ OK« # , " = Ô~\ò x~°'~ Oz# = ~°HõÑ"Ü ~@ ,,, Q
 i[~° "Éi°O<õ x~°'~ Oz#@ j~ `Õ ^€xx "JkèHÍiHõ = ~°HõÑ"Ü ~@ ,,, JO^ ~°
 LO_» # . XHõ"Õà JkèHÍ~° ~@ QÆ# Hõ Z<õ =QÍ LO_ç = Ô~\ò x~°'~ Oz
 qÅ = `«<õ =QÍ L#"@ j K Ñ"Ê=K« Û. J^Õ JkèHÍ~° ~@ `«<õ =QÍ L#"@ j~ `°
 OË^=°O qÅ = `«<õ =QÍ L#"@ j K Ñ"Ê=K« Û. J^Õ JkèHÍ~° ~@ `«<õ =QÍ L#"@
 LO_» # .

Éèi~° «^Õâ OÖ• JkèHÍiHõ = ~°HõÑ"Ü ~@ ZÅjÑ"ÜÊ_» = Ô~\ò x~°
 LO_» # . JO^ =Å# Éèi~° « ~° áê~° "JkèHõ qÅ =,,, HõeyÜ« O_» # . nx
 ÅÑ~° QÆ ^-Å " ÅjQÍ# kQÆ = `« ÅÖ• ÅÑ~° QÆ ^-Å,kQÆ = u xÜ« OË`«
 1991Ö• qx= Ü« ~@ Ö• ã"Oã~°~°}Å# OËÑ"Õâ ÅÑ\ ii. ~° áê~° = ~°HõÑ"Ü ~
 XHõ\ # = iÜ« EÖ . 3 # KÕâß~° . ^€x =Å# = # ZQÆ = `« Å ÅÑ~°QÆ@"Õ
 ã"OáêkOK«=K« Û.

`«~° "â`« 1992 = iÜÖ• ã"~°mHõ~°} qx= Ü« ~@ Ü« [= #° Ñ"~°-ìu# OË
 "â°áê~° Å `â= ã"OáêkOz# q^Õj = ~°HõÑ"Ü OË^=°= # JkèHÍ~°= iÊ_

ã"= iÊOK«=Ãã =KÕÛk. H`«ÎQÍ OEÑ"Õâ ÃÑ\ ì# #`«# q^è€#OÖ• ZQÆ = u^
ã"= iÊOK«=Ö # . q QÆ`â 60âß`«O |Ç Î~°OQÆ = Ô~@_jÅÖ• J= ,HÀ=K«
|Ç Î~°OQÆ = Ô~\òÅÖ• "â~° Z`õ = ~° áêÜ« Å á±O^Õ"â~° . nx =Å# ZQ
ZQÆ = uH OEÑ"Ü« u"OKÕ"â~° . D ã"~°mHõ~°} qx= Ü« ~@ Ü« [= #°Ñ"~
LO_Õq. 1. JkèHÍ~° = Ô~\ò, 2. |Ç Î~°OQÆ = Ô~\ò ~@ . D OE^=° qx=
ã"~°mHõ~°}= KÕÜ« @ÜÕ HÍ`õ O_® ~° áê~ = ~°Hõ= #`õ = ~°æ= "Õâ
^"O^ qx= Ü« ~@ # ~^ ÎKÕâß~° .nx 'ê÷#OÖ• ã"Ñ"jÜü . _ç= O_£Å x
J# = uOKâ~° . OEÑ"ã" Î`«O "â°áê~° MÏ`âÖ• ~° áê~ = ~°`õO# J# = uOKâ~°
^€"~â ã"OáêkOz# q^Õj = ~°Hõ OE^=°= # ZQÆ = u^€~° Å |Ç Î~°OQÆ= Ô~
qOEHõ~ OK«=K« Û. ZQÆ = u^€~° Å ¿ã"K«ÛQÍ`«= ^QÆæ~° #" q^Õj O
^€~° Å `«= `õ HÍ"áeû# q^Õj OE^=°= # |Ç Î~°OQÆ = Ô~\òÅÖ• H #=K«

P`«~° "â`« = iÛ 1994Ö• HõÔ~O\ò MÏ`âÖ• ~° áê~ = ~°Hõ= # J# = u
ã"~°mHõ~°} KÕÜ« @OQÍ ¿Ñ~À~#=K« Û. nx =Å# =ã" Î=ÜÅ# , ¿ã=Å# ZQ
ã"OáêkOz# q^Õj OE^=°= # = Ô~\ò x~°~ Oz# ~@ =^Ì J= ,HÀ=K« Û.

J~`Õ ~° áê~ = ~°HõO Ñ"ÓiÎQÍÖË^ . Ñ"ÓiÎ = ~°HõO J#QÍ HõÔ~O\ò
^€"~â =zÛ# q^Õj = ~°HõÑ"Ü OE^=°= # ~° áê~ ÅÖ•H |Ç Î~°OQÆ = Ô~@
WHõ Ô~O_»=k ~° áê~ x q^Õj OE^=°OÖ•H = ~° ÛHÀ=@O. J~`À nxx = OE
`õÄ_® OEÑ"Ü« `â"Å [~° QÆ K« #"q.

QÆ ~° ÎOK« HÀ=Ãã # JOâßÅ

#`«# "â°áê~°q^è€#= g\ H OEÑ"uáêkOK«|_ç#k.

x 1. \iÑ¶ =°=ã"÷, 2. kQÆ = u Ö .ÃãxûOQ Ñ"~^Ìu, 3. OEÑ"Éèí`«
`«yæOK«@O = iÜ« 4. = ~°HõÑ"Ü ~@ Ü« [= #°O

x kQÆ = u ã" OHÍÅ# QÆ}hÜ« OQÍ`«yæOK«@O.

x J<ÕHõ ~°HÍÅ kQÆ = `« Å Ö .ÃãxûOQ # Oz q #Ç" ~ OÑ"Ü.

x OEÑ"Éèí`«"~°OQÆ ã"Oã"÷Å áêOE`«# `«yæOK«_»O.

x HõÔ~O@ MÏ`âÖ• ~° áê~ = ~°Hõ= # J# = uOK«@O

áê~îâ°Oâ OEÑ"â "Å

D OEH O^ "â\ Ö• "`«Ñ"C,, / 'XÑ"C,,Å# QÆ îOK«O_ç.

1. D #`«# áêiOEâßq Hõ q^è€#= 1991Ö• OEÑ"uáêkOzi. ^€xH HÍ~°}= q^
KÕÜ« @.

2. #`«# "â°áê~° q^è€#O =Å# kQÆ = `« ÅÃÑ· \iÑ¶ ~@ ; ÃÑOK«|_ç#c
 3. J<ÕHõ ~°HÍÅ kQÆ = `« Å<õ Ö ·Ãã# ûÅ xÜ« Oœ`«}Å ZuÎ"ÕÜ« |_ç#
 4. H x" x¿+^è– =ã" Î=ÙÅ kQÆ = uH WOHõ# Ö ·Ãã# ûÅ J=ã"~°= #"k.
 5. HõÔ~O@ MÏ`âÖ•, ÃÑ@ ì|_ç MÏ`âÖ• ~° áê~ = ~°Hõ= Ñ"ÓîÍQÍ J# =
- 37.6"â°áê~° q^è€#OÖ•x ã"Oã"~°}Å œÑ"ÉèĬ=O

"â°áê~° q^è€#OÖ•x ã"Oã"~°}Å œáÈ`âûÇ"İHõ~°OQÍ L#"q. q^Õj "â° kQÆ = u Ö ·Ãã# ûÅ# ~°^ İ KÕÜ« @, HõÔ~O@ MÏ`âÖ• ~° áê~ = ~°Hõ= U~°Ê~°z#q. nx =Å# q^Õj "â°áê~°O ÑÑiy#k.

1. ZQÆ = u kQÆ = `« ÅÃÑ· œÑ"ÉèĬ=O

ZQÆ = `« ÅÖ• QÆ}hÜ« " ÿ# ÃÑ~° QÆ ^–Å U~°Ê_ç#k. ZQÆ = `« Å | }İ`«°HõOQÍ LO>Ë J^Õ 1992...93Ö• 3.5 âß`«O ^è–<â`« ,Hõ=Ú#<õ ÃÑ~° QÆ 20 âß`«O, 1994...95Ö• 18 âß`«O, 1995...96Ö• 18âß`«O, 1995...96Ö•" ^–\

J~ `Õ 1991 Ö• kQÆ = `« Å 12.7 âß`«O, 1992...93Ö• 6.5 âß`«O<õ ÑÑiy: HÍ~°HõÖİáêÅÖ• = ^–°O U~°Ê_ç#k. `«~° "â`« 1994... 95Ö• kQÆ = `« Å HÍ<õ O_® 1995...96 " ^–\ ã"QÆEOÖ• D kQÆ = `« Å 29.3 âß`«O ÑÑiy#k. D = O^–°O œÑ" ^è€# HÍ~°}İÅ QÍ HÍ=K« Û.

2. J^–\$âß°OâßÅÖ• ~â|_» Å ÃÑ~° QÆ ^–Å

#`«# áêiœâßq Hõ q^è€#O =Å# J^–\$âß°OâßÅ ~â|_» Å ÑÑiy#q. = Y qx= Ü« ~@ =Å# q^ÕâßÅ # Oz = #<õ ~â|_» Å ÑÑiy#q. q^ÕâßÅ # Oz œÑ 207 HÀ@j _®Å~° j LO_»QÍ Jk 1994...95Ö• 620 HÀ@j _®Å~°j<õ ÑÑiy#k.

3. HõÔ~O@ MÏ`âÖ• ã"= `ÒÅ°O

=ã" Î¿ã=Å ZQÆ = `« ÅÖ• QÆ}hÜ« " ÿ# ÃÑ~° QÆ ^–Å =Å# = #<õ ÃÑ =Å# HõÔ~O@ MÏ`âÖ• ÃÑ~° QÆ ^–Å U~°Ê_ç#k. HõÔ~O@ MÏ`âÖ• Ç # Oz1994...95Ö•232 HÀ@j _®Å~°j<õ `«yæ#k.

4. ÃÑ@ ì|_ç MÏ`âÃÑ· œÑ"ÉèĬ=O

ÃÑ@ ì|_ç MÏ`âÖ• K e jOÑ"Ù âš+"OÖ• q^Õj œÑ" "«°Hõ ÃÑ@ ì|_» Å ÃÑ@ ì|_» Å 1991...92Ö• 16 HÀ@j _®Å~°j # Oz 1994...95Ö• 480 HÀ@j _

5. q^Õj œ^–=° x^è– ÅÃÑ· œÑ"ÉèĬ=O

HõÔ~O@ MÏ`âÖ• ÃÑ~° QÆ ^–Å ÃÑ@ ì|_ç MÏ`âÖ• ÃÑ~° QÆ ^–Å =

ÃÑiy#q. = # ^Õâ Ñ"Ù q^Õjœ^=° x^è- Å 1990...91Ö• ^€~° }OQÍ 100 HÀ x^è- Å 1997Ö•2900 HÀ@j _@Å~°j,õ KÕi#q.

ÃÑ·# K«iÛOz# qq^è- q+ "Ü« Å =Å# q^Õj "â°áê~° q^è€#OÖ• ã"Oã"~°} QÆ}hÜ« " ÿ# = ~° ÊÅ U~°Ê_ç#q. J~ `Õ D ~°OQÆOÖ• WOHÍ KÕÜ« =Å ã"Oã"~°}Å J=ã"~°O.

= O^_ KÕÜ« =Åã #k

J` «°kèHõ \iÑ¶ ~@ j `«yæOz# ã"QÆ@ \iÑ¶ ~@ j WO_À<Õ+ Ü« KåÖÏ Z'õ =QÍ L#"k. kQÆ = uH J# = uOK«xq, \iÑ¶ qkèOKÕ =ã" Î=ÙÅ ã"OY°# WOHÍ `«yæOK«=Åã =K« Û# .

J~ `Õ ã"Oã"~°}Å# = iO` « J= Å KÕ;ã = O^_ Pã Ü« Ñ"ÙÅ Ö .# ` J# Éèi"âÅ# Ñ"iQÆ}#Ö•H fã" H #=Ö # . D ^ÕâßÅ ZQÆ = u`À 'õÄ_ç# = \$k J~ `Õ 1995 `«~° "â« "â\ Jaè=\$kú `«yæáÈ` « # "k. qK«Hõ }Ï~°Ç Ì`«OQÍ "â° œ^=°O ~â=K«Û<Õ # = ,HõOÖË^_ . nx = Å# q^Õj K e;OÑ"ÙÅ KÕÜ« @O

D ^ÕâßÅ J# Éèi"âÅ# | ì ÃÑ@ ì|_ç MÏ`âÖ• ~° áê~ = ~°Hõ= # J# = u x~°Ü« Å fã" H #=Ö # nxx J# = u;ãl q^Õj œ^=° x^è- ÅÃÑ· œÑ"Éèi=O "O

QÆ ~° ÎOK« HÀ"âeû# JOâßÅ

- x "â°áê~° q^è€#OÖ• ã"Oã"~°}Å =Å# œáÈ`âûÇ"ÏHõ~°" ÿ# Ñ¶`e`â
- x ZQÆ = ` « ÅÖ• K Ñ"ÙÊHÀ^_QÆæ ÃÑ~° QÆ ^_Å HõxÑ Oz#k.
- x J^_ \$âß°OâßÅÖ• K Ñ"ÙÊHÀ^_QÆæ ÃÑ~° QÆ ^_Å U~°Ê_ç#k.
- x HõÔ~O@ MÏ`âÖ• QÆ îÎOK«^_y# ÃÑ~° QÆ ^_Å Hõ#|_ç#k.
- x œÑ" `«°Hõ ÃÑ@ ì|_» ÅÖ• ÃÑ~° QÆ ^_Å L#"k.
- x q^Õj œ^=° x^è- ÅÖ• ÃÑ~° QÆ ^_Å L#"k.

37.3 áê~îâ°Oâ œÑ"â "Å

D œH Ok "â\ Ö• ` «Ñ"C,, / 'XÑ"C,,Å# QÆ îÎOK«O_ç.

1. = # ^Õâ OÖ• QÆ` «OÖ• Ô~O_» ~°HÍÅ = ~°HõÑ"Ù ~@ j LO_Õq. "â x~°'~ Oz#k.
2. "â°áê~° q^è€#OÖ• ã"Oã"~°}Å Éèi~°` «^Õâ Ñ"Ù ZQÆ = ` « ÅÖ• áÈ\©

3. HõÔ~O@ Mĩ`âÖ• ~° áê~ = ~°Hõ= =Å# ZQÆ = u ^€~° Å'õ ŒáÈ`á
4. #`«# "â°áê~° q^è€#O =Å# K e¡OÑ"ÙÅ âš+"OÖ• = ~° Ê U~°Ê_ç#k.
ÃÑ~° QÆ ^~Å U~°Ê_ç#k.

g ~° <Õ~° ÛH #''k

q^Õj "â°áê~° q^è€#O ^Õâ J=ã"~âÅHõ# QÆ }OQÍ "â°áê~âx" xÜ« O
'ê" «OŒ`«°O á†Ok# ^~QÆæ~° # Oz ŒÑ"Éèí`«"O kQÆ = `« ÅÃÑ· xÜ« OŒ
x"âiOK« K« q^Õj Œ^~"â°x" á†^ Ñ"Ù KÕÜ« K« #''k. nx HÀã"O J<ÕHõ" ÿ#
HÀÏÄ , ÏiÑ¶ Å , " ^~ÅQÆ Ñ"~^~ì« Å LÑ"Ü yOK« K« #''k. ZQÆ = `« Å ÃÑC
" ^~Ö ·#q J= Å KÕÜ« K« #''k.

Hõî#'' ÿ# ky= u x|O^è~#Å =Å# ^ÕjÜ« Ñ"iŒâ = Å'õ ~°Hõ QÍ L#''k. n
=ã" î=ÙÅ# L`«Êuî KÕÜ« _»O Jq q^Õj = Ô~_@¡Ö• áÈ\ H xÅ" ÖEHõáÈ=
ŒáÈ`âûÇ"ÏHÍÄ WzÛ<â = # ZQÆ = `« Å ÃÑ~°QÆHõáÈ=@O ŒÑ"~^è€# ã"=
D Ñ"iã ÷u 1991Ö• KâÖï Ç·ï#ã ÷uH = i#k. q^Õj Œ^~° x^è~ Å J`«°O`« J
_®Å~°¡õ `«yæáÈ~ #k. nx `«~° "â`« #`«# áèiŒâßq Hõ 1991Ö• ŒÑ"uáè
=°=ã"÷# ~+"#Ö ·*ò KÕã Ñ"#"ÅÖ· `«yæOÑ"Ù. Ö ·ÃãxûOQ Ñ"~^~lux H x
q #Ç"ì) = ~°HõÑ"Ù ~@ q^è€#OÖ• ã"Oã"~°}Å , ~° áê~ = ~°HõÑ"Ù ~@ #
ZQÆ = `« Å ÃÑiy#q.

xÜ« OŒ`«}Å# `«yæOK«_»O, "â°áê~°OÖ• ã"~°mHõ~°} KÕÜ« @O=Å
ÃÑ~° QÆ ^~Å U~°Ê_ç#k. HõÔ~O@ Mĩ`âÖ• K e¡OÑ"ÙÅ âš+"O `«yæáÈ~
~â=Ö # . J~ `Õ D q+"Ü« OÖ· `« ~° Ê Pã Ü« ^ÕâßÅ J# Éèí"âÅ# Ñ"iQÆ}Œ
áê~îâ°O`«~° ŒÑ"â "Å

1. Éèĩ~°`«^Õâ Ñ"Ù q^Õj "â°áê~°O 1991H = O^~ ZÖï L#"^À ã"= ŒQÆ
2. Éèĩ~°`« ŒÑ"Éèí`«"O 1991Ö• U~°Ê~°z# #`«# "â°áê~° q^è€#O# q=i
3. ã"~°mHõ~°} q^è€#O Éèĩ~°`«^Õâ Ñ"Ù K e¡OÑ"ÙÅ âš+"OÖ• W|†Ok Ö
?
4. Éèĩ~°`« "â°áê~° q^è€#O ZQÆ = `« Å , K e¡OÑ"Ù âš+"OÃÑ· U q^è~C
5. ~° áê~ = ~°HõOÃÑ· ã"= ŒQÆOQÍ K«iÛOK«O_ç?

37.1 áê~îâ°Oâ ŒÑ"â "Å

1. XÑ"ÙÊ
2. `«Ñ"ÙÊ
3. XÑ"ÙÊ
4. XÑ"ÙÊ
5. XÑ"ÙÊ

37.2 áê~îâ°Oâ œÑ"â "Å

1. XÑ"ÙÊ 2. `«Ñ"ÙÊ

3. XÑ"ÙÊ

4. XÑ"ÙÊ

5. `«Ñ"ÙÊ

37.3 áê~îâ°Oâ œÑ"â "Å

1. XÑ"ÙÊ 2. XÑ"ÙÊ

3. XÑ"ÙÊ

4. XÑ"ÙÊ

áê~îâ°O` «~° œÑ"â "Å

1. 30.4 ÉèİQÍx" K«^=O_ç.

2. 30.5 ÉèİQÍx" K«^=O_ç

3. 30.5 ÉèİQÍx" K«^=O_ç.

4. 30.6 ÉèİQÍx" K«^=O_ç.

5. 30.5 (4) ÉèİQÍx" K«^=O_ç.

38. [$\text{<}\text{ǽ}\text{è}\text{ï}$ - $\text{PiúHía}\text{è}=\text{\$kú}$

(Population and Economic Development)

38.1LáÈ^€f`«O

Œâßq Hõ â H ÎH [çâÉèì P^è€~°O. [çâÉèì Zçõ ¯=QÍ =ÙO>Ë, JkèHõâ
JkèHõ [çâÉèì=\$kú ~@ LO>Ë<Õ JkèHõ Œâßq Hõ â H Î'ê= ~°ú°O =ÙO@ O
L`«Êuî KÕÜ« \ïxH HÍ=Ãã # Jx" =#~° Ã ã"O= \$kúQÍ ^ iH #Ñ"Ü_» =Œ`«"Ç
XHõ L`âÊ^~Hõ 'Pã ÷,,QÍ = ~° `« Ok. L`«ÊuîH ^ÀÇ"ï~O KÕÜ«Ú HÍ~°}ÏÃ -
[çâÉèì=Ã; Œâßq çõ Ã ã"OY° JÑ"iq `«OQÍ =Ù#" ^ÕâßÃÀ, [çâÉèì XHõ PiùH
ZO~ Hõx PiùHíàè=\$kì K O~ `« #" H x" ^ÕâßÃÖ• [çâÉèì "ÕQÆOQÍ=\$kú
K O~ `« #" [çâÉèì PÜ« ^ÕâßÃ PiùHíàè=\$kúx ŒÑ"Éèìq`«O KÕã" ÎOk? WÇ
D áê~î°O`À K«iÛOK« çõ O^EO.

38.2ÅH Í°Å

D áê~î°O K«kq# `«~â“ « g ~° D ŒEH Ok JOâßÅ ` Å ã” ‹õ O\ĩ~° .

x *<ǎÉèï=\$kú ~@ Éèï=## q=iOK« @.

x PiúHõ=\$kúx JkèHõ [Éèì =\$kú ~@ ZÖï ŒÑ"Éèìq`«OKÕã" ÎO^À q=

x Jaè=\$kú K O^~`« #” ^ÕâßÅÖ• JkèHõ[<ǎÉèï=\$kèú ~@ ŒÑ”Éèï=O =
=,Å^è-# ã”OK«Ü« #OÃÑ· ZÖï =ÙO@ O^À q=iOK« @.

38.3[<ãÉèï = \$kú~@ (Growth Rate of Population)

U ^Õâ " ÿ<å U HÍÅOÖ•< .<å H O`« [# ã"OY°# Hõeæ =ÙO@ Ok. P
 Ñ"iQÆ} 'êÎO. J~Ú`Õ, D ã"OY° x~°O`«~°O = ~° Ê K O^`« =ÙO@ Ok. [#<å
 = ~° ÊÅ<õ HÍ~°}IÄ . XHõ xs`« HÍÅOÖ• ^Õâ OÖ• x=ã ã" Î#" [<åÉèÏ ÃÑ~° Q
 D ÃÑ~° QÆ ^~Å = ~°}IÄHõ<å" [#<åÅ ÃÑ~° QÆ @ Z<õ `=QÍ LO_»@O =Å
 ÃÑ~° QÆ ^~Å Z<õ `=QÍ =ÙO_»^ . XHõ xs`« HÍÅOÖ• ^Õâ OÖ• =Ù#" " Ú`
 x+"ÊuÎx * <åÉèÏ = \$kú ~@ QÍ Ö H`OK«=K« Û# .

*<àÉèĭ,=\$kú ~@ Œáé^ä-q HõOQÍ [#<åÅ ~@ ÃÑ.# P^è€~°Ñ¨_ç =Ù

$$\frac{[<\text{a}\acute{\text{E}}\text{e}\ddot{\text{i}}]}{''\text{Ú`«}\hat{\text{I}}\text{O}\text{[}<\text{a}\acute{\text{E}}\text{e}\text{I}} \quad 1000$$

[#<åÅ ~@ <õ , = ~°}İÅ ~@ <õ = ^è-°QÆÅ`Õ_®# [<åÉèİ=\$kú ~@ C
 Ö H ˆêˆ~°. [<åÉèİ=\$kú ~@ # âß`«OÖ•` Å Ê@<õ XHõ L^Çˆİ~°}# Ñˆije

1991 [<ãÉèĭ Ö Hõ-Å ŒÑ" HÍ~°O Éèĭ~° «^Õâ O [#<ãÅ ~@ 1981-91 = ~°}ĬÄ ~@ J^ÕHÍÄOÖ• "Ö~ÚH 11.4.

D ^-âß|ìO Ü ÚHõ- "âi-Hõ [<ãÉèĭ = \$kú ~@ " ~Ú°H 21.1QÍ = ÛOK. ÑÑ~° QÆ ^-ÄQÍ K áêÊe.

38.4* <ãÉèĭ = \$kú ~@ <õ PiúHõ = \$kúH = ^è-°QÆÄ ã"O|O^è

[<ãÉèĭ = \$kú`À ã"O|O^è-O Hõeæ = ÛO@ Ok. ^Õâ PiúHíaè = \$kú uiy ŒÑ"Éèĭq` «OKÕã" ÎOk. [<ãÉèĭ, PiúHõ = \$kúÅ = ^è-° Ñ"~°ã"Ê~° ã"O|O^è€x'

Z) PiúHõ = \$kú - [<ãÉèĭ = \$kì ~@ ÑÑ. ^€x ŒÑ"Éèĭ=O

J<ÕHõ ^ÕâßÄÖ• [iÑ # J^è-°Ü« <ãÅ# | \ ì Ñ"ijeçãĬ, " # Hõ |_ç# PiúH [#<ãÅ ~@ = iÜ«Ú = ~°}ĬÄ ~@ Ô~O_» Z<õ -=QÍ = ÛO_ç [#<ãÅ , = ~°}ĬÄ = ÛO@ Ok. JO^ = Å; PÜ« ^ÕâßÄÖ• [<ãÉèĭ = \$kú ~@ ã"ÄÊOQÍ LO@ O P^€Ü« 'ê÷~Ú` «<õ -=QÍ LO_» @O = Å# áœ+ ^HÍÇ" ~° Ö•Ñ"O = iÜ«Ú ã"iÜ ÿ # " . ^-° = iÜ«Ú áêiâ ^-ú°O 'œHõ~ã°Å Ñ"ÓĬê÷~ÜÖ• Ö•Ñ Oz HõxÑ 'êĬ~Ú. [<~°H `« Œ`ãQÆ h\ = ã"u ÄÉèĭ° « = ÛO_» ^ . JO^ = Å# = ~°}ĬÄ ~@ KãÖĬ Z [#<ãÅ ~@ ; <õÄ_® Z<õ -=QÍ = ÛOĬ~Ú. JHõ ~ãã"° « ÖEHõáÈ=_»O = iÜ«Ú = ÛO@ Ok. JO^ = Å#, " # Hõ|_ç PiúHõ = ã"÷~Å QÆÄ ^Õâ OÖ• JkèHõ [#< [<ãÉèĭ = \$kú ~@ ã"ÄÊOQÍ = ÛO@ Ok. [<ãÉèĭ < = ,kQÍ ÑÑ~° QÆ @O Q

^Õâ PiúHíaè = \$kú Œáê~°OÉèĭO HÍ=@OKÕ` «, ŒÑ"[Ä P^€Ü« 'ê÷~ ÑÑ~° QÆ `ã~Ú. " . ^-° ã" ^- áêÜ« Å = iÜ«Ú áêiâ ^-ú°O ÑÑOá†O^ `ã~Ú. g\ Ñ"¶`e` «OQÍ [#<ãÅ ~@ <õÄ_®` «QÆ æ` « <Õ = ÛO@ Ok. HÍh, KãÅ < = ,k = ~°}ĬÄ ~@ Ö•` «QÆ æ^~Å Hõ<ã" `«<õ -=QÍ ã"OÉèĭqã" ÎOk. [#<ãÅÖ•` «QÆ `«y# = ~° Ê ÖEHõáÈ=_»O, = `« Ñ"~°" ÿ# # = ,HÍÄ H O` «=~°<õ HÍ~°}O.

ZÑ"ÜÊ_`Ö ^Õâ O PiúHõOQÍ = \$kì K O^ `« O^À ^Õâ [<ãÉèĭ ÑÑ "ÖQÆ=O` «= ø` « Ok. L^€Ĭ Éèĭ~° «^Õâ [<ãÉèĭ = \$kú 1921 ã"OĬ # O_ç ÑÑiyOk.

XHõ`êi PiúHõ = \$kì 'ê^è-# Ñ"Ü~ÀQÆu JO^ <õ #" `«~° }OÖ• QÆ= KÀ@ KÕã" <õ OĬ~Ú. P^€Ü« 'êú~ÚÄÖ• Ñ"Ü~ÀQÆu QÆ= xOK«=K« Ũ. ŒÑ"*ĬP~ÀQÆ°O, áêiâ ^-ú°O " ÚĬ 'œHõ~ã°Å `«"i` «QÆu# U~ãÊ@ KÕÜ ÑÑOá†O^ `ã~Ú. ã"<ã` «# Œáêp# " .Y~° Å 'ê÷~#OÖ• âßŒã•ĬÜ« ^-\$HõÊ Éèĭ=## ŒÑ"[Ä JÄ=~° Ũ<õ OĬ~° . D = ~° ÊÄ ŒÑ"Éèĭ=O [##, = ~°}ĬÄ ~@ 'ê^è€~°} ã ÷u # Oz = iO` «QÍ `«QÆæHõáÈ~Ú<ã, [#<ãÅ ~@ QÆ}hÜ« OC

Hõhã'''ê÷~ÚÖ• xÁzáÈQÍ, [##, = ~°}İÄ ~@ j = ^è-° =° á°ã"O KãÖİ ã'''ÅÊOC
 'ê÷~ÚÖ• =ÚO@ Ok. Jx" Jaè=\$kú K Ok# ^ÕâßÄÖ• = #O ã'''ÅÊ 'êú~Ú [<áÉè
 Éèl~° «^Õâ O Ô~O_» = ^-â Ö•=ÚOk. [#<áÄ ~@ j Z'õ -=QÍ =ÚO_ç ÆH
 "ÕQÆOQÍ `«QÍæ~Ú. Ñ¶"e`«OQÍ 'JkèHõ [<áÉèl=\$kú,, # ^ J=Ú`« <á~Ú

QÆ ~° ÎOK« HÀ=Äã # JOãßÄ

- x ÆÑ"u^Õâ O = _» ^-â Ä [<áÉèl=\$kú 'ê÷~ÚÄ ^€~â Ñ"Ü« xOK«
 PiúHõ =°=ã÷Ä QÆÄ ^ÕâßÄÖ• [##, = ~°} ~@ j Z'õ -=QÍ =ÚO_
 ~@ `«'õ -=QÍ =ÚO@ Ok.
- x ^Õâ O PiúHõ=\$kú ^-â Ö•H ÆÑ"'ÕtOK«QÍ<Õ, = ~°}İÄ ~@ `«Q
 = ~°}İÄ ~@ "ÕQÆOQÍ`«QÆæ@O=Ä# [<áÉèl=\$kú ~@ QÆ}hÜ
- x XHõ'êi ^Õâ O PiúHíæ=\$kú á†Ok# ^-â Ö• [#<áÄ ~@ "ÕQÆOQÍ
 = ~°}İÄ ~@ XHõ Hõhã'''ê÷~Ú = ~°'õ `«yæ ã•÷sHõ~°} á†O^_»
 Ô~O_» `«'õ -='ê÷~ÚÖ• =ÚOk. [<áÉèl=\$kú ~@ ã'''ÅÊOQÍ LO

38.1 áê~îá°Oâ ÆÑ"â "Ä

D ÆH Ok "á\ Ö• `«Ñ"C / XÑ"CA# QÆ îîOK«O_ç.

1. [<áÉèl=\$kú ~@ [#<áÄ ~@ ÄÑ.# P^è€~°Ñ" _ç =Ú#"k.
2. PiúHõOQÍ " # Hõ|_ç# ^ÕâßÄÖ• [<áÉèl=\$kú KãÖİ "ÕQÆOQÍ Ñ"ÚO
3. PiúHõOQÍ Jaè=\$kú K O^`« #» ^ÕâßÄ Z'õ -= [<áÉèl=\$kú Hõæ=
4. [##, = ~°}İÄ ~@ j â ¥#°O ÖË^€ ã" <á"õ ã"= #O
5. PiúHõOQÍ Jaè=\$kú K Ok# ^ÕâßÄÖ• `«'õ -= [#<áÄ ~@ , ã'''ÅÊ = ~°}İÄ
 = \$kú ~@ j =ÚO\~Ú.

38.4 (a) [<áÉèl=\$kú ~@ ^Õâ PiúHõ=\$kúÄÑ. ÆÑ"Éèl=O

WO`«'õ =Ú# Ñ"Ü`eÊ#@ j, Jaè=\$kú K O^`« =Ú#" ^ÕâßÄÖ• JkèH
 qÉèlQÆOÖ• JkèHõ=\$kú ~@ ^Õâ PiúHõ=\$kúÄÑ. ZÖİO\ ÆÑ"Éèl=O K« Ñ
 qq^è- =#~° Ä ÄÑ. [<áÉèl=\$kú ~@ ÆÑ"Éèl"áx" J^è-Ü« #O KÕ^€İO. Jq
 = iÜ«Ú 3) =, Ä^è-# ã"OK«Ü« #O Z) = #=-Ü« `«"O`À ã"= 'õÄ~° =#~° Ä .

= # = #~° Ä - JkèHõ [<áÉèl=\$kú ~@

^Õâ [<áÉèlÖ•<Õ = # = #~° Ä JO`«~â†ùQÆOQÍ =ÚO\~Ú. JkèHõ [#ã
 Éèl~° «^Õâ OÖ• JkèHõ ã"OY°Ö• = # = #~° Ä =Ä; JkèHõ ã"OY°Ö• Æâßq <
 = # = #~° Ä ã"\$+ ì XHõ ÆÑ"Hõ- PiúHõ |Öïx" = ~ÄÆÑ"Hõ- |ÄÇ.İ# «# Hõæ

= # = # ~ ° Å # Ñ"Óíî'ê÷~ÚÖ• qxÜ yOK« HÀQÆeæ`Õ PiúHõ = \$kúH ^
 ^Õâ Ñ"Ü~ÀQÆu ^ |tuO@ Ok. H=ÅO Æâßq <õ Å ã"OY° ÑÑ~° QÆ ^-Å =ã
 =, Å^è-#O`À <õÄ_ç# = # = # ~ ° Å ^€"~ã<Õ L`«ÊuÎ H #êQÆ `« Ok. JO^ =
 `«y# Láêkèx JOkOK« @<õ J^Õ'êú~ÚÖ• ã"Ç"Î[= # ~ ° Å , =, Å^è-# çãHõ~°}

Éèĭ~° «^Õâ O =O\ Jaè=\$kú K O^ `« #» ^Õâ OÖ• ÑÑ@ ì|_» Å H ~°
 ã"Ç"Î[= # ~ ° Å H ~° « HõÅ æ`« Ok. D ^ÕâßÅÖ• =Ù#» Æâßq <õ Å# qxÜ
 Ñ"e`«OQÍ x~° ^À°QÆO JkèHõ'êú~ÚÖ• =ÙO@ Ok.JO`ÕHÍHõ, JkèHõ [<ã
 KÕ~° "ài ã"OY° ÑÑ~° QÆ `« <Õ =ÙO@ Ok. JO^ =Å; x~° ^À°QÆO =iO
 Ñ"ÓíîQÍ LÑ"Ü«ÚHõÎO HÍHõáÈ=Ù@ =Å; Jk ÑÑ# Éèĭ `«OQÍ `«Ü« ~°=Ù`« Ok

PiúHõOQÍ = \$kúx 'êkèOK«x Jaè=\$kú K O^ `« #» ^ÕâßÅÖ• JkèHõ [<
 L`«ÊuÎ ÆÑ"ÆH Ü« Ö• ã"\$+ iã" ÎOk. = # = â H Î = # ~ ° Å <ã}° «# `«yæã" ÎOk.
 'êOÆ^`« QÆÅqQÍ = ~° `« #» `«~° }OÖ• P^è- xHõ L`«ÊuÎ < .Ñ"Ü}Ï°Å QÆÅ
 Jaè=\$kú K O^ `« #» JHõ ~ãã"° « 'ê÷~Ú KãÖÏ `«<õ =. x~°Hõ ~ãã"° « ã"~°
 "àiÖ• < .Ñ"Ü}°=Ù# ÑÑOá†OkOK« @<õ JkèHõ PiúHõ = # ~ ° Å J=ã"~°= ø`ã
 fœ= = =Ù`ã~Ú.

Jaè=\$kú K O^ `« #» ^ÕâßÅÖ• ÑÑ@ ì|_» ÅH ~° «, W`«~° = # ~ ° Å Ñ
 =Å# = # = # ~ ° Å <ã}° « JÅÊ'ê÷~ÚÖ• =ÙO@ Ok. nxH `À_» [<ãÉèĭ = \$kú
 ã"= ã"° = iO`« H j+`i= ø`« Ok. JkèHõ ã"OM°Ö• "ÕQÆOQÍ ÑÑ~° QÆ `« #»
 < .Ñ"Ü}Ï°Å # ÑÑOá†OkOK«=Åã # J<ÕHõ ã"= ã"°Å# ã"\$+ iã" ÎOk. PiúHíã
 Ñ"e`«OQÍ qã"\$Î`« = =Ù`« #» Æâßq <õ Å ã"OY° J<ÕHõ ã"= ã"°Å# HõeÊã"

2. ã"Ç"Î[= # ~ ° Å ÑÑ. JkèHõ [<ãÉèĭ = \$kú ~@ ÆÑ"Éèĭ=O

Éèĭ q LÑ"î «ÅO Yx*ÎÅ , J_»=ÚÅ = iÜ«Ú h~° " Ú^ÅQÆ #q Jx"O\ x
 =°=Ç"î'êÎ=Ú. JkèHõ [<ãÉèĭ = \$kú ~@ =Å; D ã"Ç"Î[= # ~ ° ÅÑÑ. HõÅ æ ÆÑ

i) =°='êÜ« Éèĭ q ÑÑ. ÆÑ"Éèĭ=O

U^Õâ OÖ•< .<ã Éèĭ q qã•Î~°O ã ÷~°OQÍ<Õ LO@ Ok. ^€xÖ• JkèHõ
 qxÜ yOK«@O [~° QÆ `« Ok. J~Ú`Õ, JkèHõOQÍ [<ãÉèĭ ÑÑ~° QÆ ^-Å =
 QÆ\$Ç" Å H ~°<õ Éèĭ =ÚÅ# HÎ~ÚOK«=Åã =ã" ÎOk. Ñ"e`«OQÍ =°='êÜ«
 "Õ ~°<õ = Æ`«"Õ = #O =°='êÜ« O H ~°<õ Éèĭ =ÚÅ# qã"îiOK«QÆÅ æ`ã
 fã" H x ~ãQÆÅ æ`ãO. [<ãÉèĭ ÑÑ~° QÆ ^-Å =Å# `«Åã"î Éèĭ q qxÜ QÆ
 ÑÑ~° QÆ `« #» [<ãÉèĭ =Å; Æâßq <õ â H Î ÖË^€ Æâßq <õ Å ÑÑiy J<ÕHõ ã"

L^€ II Éèĩ~° «^Õâ O`À 1990-91 ã"OIIÖ• 59% =°='êÜ« Éèí Hõ= `âÅ ÃÇIH
 =Åj =°='êÜ« Éèí q = \$^è€ J=Ü` « Ok. ÃÑ@ ì|_» Å'õ `«y# œÑ"uÑŋ"ÅOKÕ«
 z#" Ô~.` « Å =°='êÜ« OÖ• ZÖIO\ Ñ"Ü~ÀQÆu 'êkèOK«ÖË~°. Hõhã"O`«
 HõÅ æ` « Ok. =°='êÜ« xH HÍ=Åã # Éèí q Ñ"i= }O ÃÑ~°QÆ@OÖË~ Ö
 JO~ =Å# L#" Éèí q x KãÖI 'êOœ^=°='êÜ« Ñ"~úuÖ• LÑ"Ü yOz =Åã =ã"
 LOK«=Åã # Éèí =ÚÅ# ¿ã^°O œH O~`õ fã" H x ~ã=Åã =ã" ÍOk. ÃÑ~° QA
 f~°Û_®xH ¿ã^°O œH O~`õ Z'õ ~ Éèí =ÚÅ# qxÜ yOK« =Åã =ÜOk. r
 H© }` « HõÅ æ` « Ok.

Éèí q ÃÑ. Z'õ ~ = Ok P^è€~°Ñ" _ç rqOK«=Åã ~ã=_»O =Åj, Wk œÑ"
 JkèHõ [<ãÉèĩ XHõ" .Ñ"Ü, =°='êÜÖ `«~° ~°OQÍÄÖ• Láêkè J=HÍâßÅ ÖËH
 œQÍg } œáêO`âÄÖ• Z'õ ~ = Ok J=ã"~âÅ'õ q Oz =°='êÜ« ~°OQÆOÖ•
 œâßq 'õ Å# =°='êÜ« ~°OQÆO # O_ç Ñ"@ì} œáêO`âÄ'õ Ñ"ONÑ"QÆeæ<
 Ñ"@ì}©Hõ~°} =Åj `«yæáÈ`â~Ú. Ñ"@ì} œáêO`âÄÖ• ÃÑ~° QÆ`« #» [<ãÉè
 J=ã"~°= =Ü`â~Ú. QÆ\$Ç"İx~ã,}İÄ , ~Ä_» j U~ãÊ@ j HÀã"O Éèí q qxÜ yO
 Ñ"@ì}©Hõ~°} =Åj áêiœâßq Hõ HÍÄ +°O, =ÚiH "ã_»Å =Åã" ã"= ã"°Å L`«É
 PiúHõ = \$kú ^ |†uO@ Ok.

ii) J_»=ÜÅÃÑ. JkèHõ[<ãÉèĩ = \$kú ~@ œÑ"Éèĩ=O

^Õâ PiúHõ = \$kúH J_»=ÜÅ ÃÑ~ì 'ê÷~ÚÖ• ^ÀÇ"İ~ Ñ"_» `« <ã"~Ú
 J_»=ÜÅ ã"Ç"İHõĩã" Î<ã"~Ú. Éèí 'ê~° ã"O~°Hõ }'õ J_»=ÜÅ `À_»Ê_» `« <
 Ñ"^€~âúÅ J_»=ÜÅÖ• ÅÉèí°= =Ü`« <ã"~Ú. JkèHõ [<ãÉèĩ = \$kú =Å# J_»=
 =°='êÜ« O H ~°'õ , =O@ K é'õ J=ã"~âÅ'õ J_»=ÜÅ# #iH "Öã" Î<ã"~°. Ñŋ"
 PiúHõ =°=ã"÷'õ HÍ=Åã # =Ú_ç Ñ"^€~âúÅ ÅÉèí°`« ^ ~°jÉèíO J=Ü` « Ok.

JkèHõ [<ãÉèĩ = \$kú ~@ =Åj J_»=ÜÅ Ç"İiOz"ÖÜ« |_» `« PiúHíàè= \$

iii) Yx*İÄ ÃÑ. œÑ"Éèĩ=O

^Õâ PiúHõ = \$kúÖ• Yx*İÄ XHõ œÑ"=ÚY áêœ`« =Ç İã" Î<ã"~Ú. U^Ö.
 QÍ<Ö =ÜOİ~Ú. Jq áêiœâßq Hõ =Ú_ç Ñ"^€~âúÅ QÍ LÑ"Ü QÆÑ"_» `« <ã"
 " Ú~Ö .# =ÚY°" ÿ# â H Î=#~° Å# Ñ"Ü#~° `«Êuİ KOÜ« ÖË=Ú. "ÖQÆOQÍ
 Yx*İÄ JkèHõ " Ú`«İOÖ• " eH fã qxÜ yã" Î<ã"~° .

JO~ =Åj Yx[x H áêÅ Ç"İiOz "ÖÜ« |_» `« <ã"~Ú. Éèíq+°üÖ• ^Õâß
 œÑ"Éèĩq`«O KOã" ÍOk.

3. =,Á^è-# ã"OK«Ü« #O ÃÑ. JkèHõ [<áÉèĭ=\$kú ~@ ŒÑ"Éèĭ=
 PiúHõ=\$kú 'ê^è-#Ö• ÃÑ@ ì|_ç/=,Á^è-#O XHõ ŒÑ"=ÚY áêŒ`«#
 =,Á^è-# xÁ"Á P^Õâ PiúHõ=\$kú'ê÷~Úx x~°'~Ú'êĭ~Ú. PiúHõOQÍ Jaè=\$k
 ÃÑ~° QÆ`«#» [<áÉèĭ=Áj qxÜ QÆ=°Ü« O ÃÑ~° QÆ`«=ÜO@ Ok. PÇ"
 q^°K«ÛùH Î, " .^°ã"~^ áêÜ« Á " ÚĬ J=ã"~áÁ "ÕQÆOQÍ ÃÑ~°QÆ@C
 ÃÑ@ ì|_çH HÍ=Áã #=#~° Á, ÃÑ~° QÆ`«=Ü#» [<áÉèĭ J=ã"~áÁ'õ HĬ-
 U~°Ê_»`« Ok. Jaè=\$kú K O^~`«#» ^ÕâßÁÖ• ŒÑ"[Á`«Áã"i P^€Ü« O
 ÃÑOá†OkOK«ĬxH J=ã"~°= ÜÕ °=,Á^è-# ã"OK«Ü« #O, ÃÑ~° QÆ`«#» J
 Jaè=\$kú K O^~`«#» PiúHõ=°=ã"÷Á# JkèHõ [<áÉèĭ=\$kú ~@ fŒ=OQÍ ^|
 ã"~°«ŒŒ`«°O=zÛ#`«~°"á«*ĬfÜ«^€Ü« OÖ• ÃÑ~° QÆ^~Á,`«Áã"i P^€
 =ÜOk. 1951-1996 ^Õâ *ĬfÜ«^€Ü« O ã"QÆ@ ÃÑ~° QÆ^~Á ~@ 4 âß`«
 ~@ H=ÁO 1.8 âß`«O QÍ<Õ=ÜOk. Zxq ^ÁÑ"OK«=~°- ŒÑ"}ĬoHÍ HÍÁOÖ•
 ~@ 5.6 âß`«OQÍ=ÜO_»QÍ, J^Õ HÍÁOÖ• ŒÑ"[Á`«Áã"i P^€Ü« ÁÃÑ~° QÆ
 \ì=#O J~°úOKÕã" HÀ=Áã # JOâ O, "ÕQÆOQÍÃÑ~° QÆ`«#» [<áÉèĭ=Á
 'êkèOz#`«~á"«'õÄ_®, ŒÑ"[Á P^€Ü« Á`«y#O`«QÍ ÃÑ~°QÆÖË^~. JkèHõ
 ÃÑ. q^è-OQÍ JkèHõ [<áÉèĭ=\$kú ~@ =,Á^è-# ã"OK«Ü« #O ÃÑ. ŒÑ"u
 qxÜ QÆ J=ã"~áÁ# f~° Û@ÔH. JkèHõ " Ú`«ĬOÖ•=#~° Á# LÑ"Ü yOK«@
 ^€x 'ê= ~áú°Á# ÃÑOK« @'õ HÍ=Áã #O`«QÍ=#~° Á ÁÉèĭ°O HÍ=@OÖË
 Ñ"iã ÷`« Á ^|†f'êĭ~Ú.

ÃÑ. qâšj+"}# J# ã"iOz, Jaè=\$kú K O^~`«#» PiúHõ=°=ã"÷ÁÖ•=\$kú
 ~@ j = O^~yOÑ"*Ëã" Î<á"Ü« . Jx J=QÆ`«=ø`« Ok. XHõ "Õà [<áÉèĭ JÁÉ
 ^ÕâßÁ PiúHõ=°=ã"÷ÁÖ• JkèHõ 'ê÷~ÚÖ• PiúHõ=\$kúx 'êkèOK«@O 'ê^è
 'ê÷~ÚÖ•`«y# ÃÑ~° QÆ^~Á# ÃÑOá†OkOK«=K« Û# .

^ÕâßÁ PiúHõ=\$kú, ^ÕâßÁ [<áÉèĭ=\$kú ~@ # ^Õâ [<áÉèĭ=\$kú ~@
 Ñ"~°ãÊ~°O ŒÑ"Éèĭq`«O KÕ'êĭ~Ú. Jaè=\$kì K O^~`«#» ^ÕâßÁ XHõ ã"
 Ñ"Ü« xOK«_®xH ŒÑ"Ü« u"OKÕ ã"= Ü« OÖ•<Õ [<áÉèĭ=\$kú PiúHõ=\$kú
 ^|†uO@ Ok. PÜ« ^ÕâßÁ`«= ^Õâ [<áÉèĭ ÃÑ~° QÆ^~Á# xÜ« OŒEuOK
 'êy`«= ^Õâ ŒÑ"[Á PiúHõ ã ÷uQÆ`« Á# " ~° QÆ Ñ"~° ÛHÀQÆÁ=Ü.

QÆ ~° ÎOK« HÀ=Ãã # JOâßÃ

- x ^ÕâßÃ PiúHõ =\$kúx, Jaè=\$kú K O^~`« #” ^ÕâßÃÖ• JkèHõ [
 ŒÑ”u◊õÄÄOQÍ ŒÑ”Éèìq`«O KÕã” ÎOk. PiúHõ =#~° ÄÃÑ. JkèH
 LO@ Ok.
- x ÄÑ@ ì|_» Ä H ~°`« =Äj# Jaè=\$kú K O^~`« #” ^ÕâßÃÖ• =Ù#” J
 'ê÷~ÚÖ• LÑ”Ü«ÚHõÎO HÍ=@O ÖË^ . JkèHõ [<ãÉèì =\$kú ~@ :
 ^ÕâßÃÖ• Œâßq Hõ ã”OY° QÆ}hÜ« OQÍ ÄÑ~° QÆ `« L`«ÊuÎ HÍ-
 JO^ =Ä#, D PiúHõ =°=ã”÷Ö• JkèHõ Œâßq Hõ â H Î ÖË^€ JkèHõ
 XHõ PiúHõÉèì~°OQÍ = ~°`« #”k.
- x JkèHõ [# ã”OY° = iÜ«Ú "ÕQÆOQÍ ÄÑ~° QÆ `« #” [<ãÉèì =Ä#
 qÉèì[# = iÜ«Ú qÑ¶” @#Ä◊ ^€ifã =°='êÜ« ~°OQÆOÄÑ. JkèH
 nx=Äj Éèì 'ê~°O ^|tuO@ Ok. ŒÑ”K«Ùù#” x~° ^À°y`« HõÄ æ`«
 Ñ”@ì}©Hõ~°} [iy J<ÕHõ ã”= ã”°Ä ã”\$+ îOK«|_» `« <ã”~Ú.
- x =°='êÜ« Éèì =ÚÄ◊ _ç= O_» ÄÑ~°QÆ@O =O@ K éõ , W`«~°
 #iH "Õ`«◊ QÆ Ô~. Éèì 'ê~°O `«QÆ æ@O, =~°^Ä , qqàè— j`À-
 JOâßÃ KÀ@ KÕã” ◊ O@ <ã”~Ú.
- x "ÕQÆOQÍ ÄÑ~° QÆ `« #” [<ãÉèì =Äj Yx*İÄ " eH f`« ÄÑiy, Ñ”Ói
 =Ä# Éèìq+”°ü =\$kú ~@ ^|tuO@ Ok.
- x JkèHõ [<ãÉèì = iÜ«Ú jŒÑ¶” QÆu# =\$kú ~@ =Ä# qxÜ QÆO Ä
 =°Ü« O ÄÑ~°QÆ@O =Ä# á†^ Ñ”Ü ~@ = iÜ«Ú =,Ä^è—# ã”OK«
 "ÕQÆOQÍ ÄÑ~° QÆ `« #” [<ãÉèì J=ã”~ãÄ f~°Ü\ixH Jaè=\$kú K
 =#~° Ä Ç”İiOK«"ÕÜ« |_» `« <ã”~Ú.

áê~îâ°Oâ ŒÑ”â ”Ä 38.2

D ŒEH Ok "à\ Ö• `«Ñ”C / XÑ”CÄ# QÆ îîOK«O_ç.

1. JkèHõ [<ãÉèì =\$kú ~@ Jaè=\$kú K O^~`« #” ^ÕâßÃÖ• =,Ä^è—# ã”O
2. Jaè=\$kú K O^~`« #” ^ÕâßÃÖ• JkèHõ [<ãÉèì L`ãÊ^Hõ Pã ÷QÍ Ñ”iQ
3. Jaè=\$kú K O^~`« #” ^ÕâßÃÖ• =Ù#” ã”Ç”İ[=#~° Ä# Ñ”ÓiQÍ qxÜ yOk
 "ÕQÆOQÍ ÄÑ~°QÍe.
4. "ÕQÆOQÍ ÄÑ~° QÆ `« #” [<ãÉèì =\$kú ~@ =Äj qxÜ QÆ =ã” Î=ÙÄ
 ^ÀÇ”İ^HÍi J=Ü`« Ok.

5. JkèHõ [<ãÉèĭ =Åĭ J@g ã"ON"~ N"ÓiĭQí qxÜ QÆ= =Ü` « Ok.
6. Jaè=\$kú K O~ `« #” PiúHõ=°=ã"÷ÅÖ• "ÕQÆOQÍ ÃÑ~° QÆ `« #” [<ã xÅHõ_» QÍ LOK«|_» `« <ã”~Ú.

áê~îâ°O` «~° ŒÑ"â "Å

1. [<ãÉèĭ = \$kú ~@ J#QÍ<Õq ?
2. ^Õâ PiúHõ = \$kú * <ãÉèĭ = \$kú ~@ # ZÖĭ ŒÑ"Éèĭq` «O KÕã” ÎO^À q
3. Jaè=\$kú K O~ `« #” ^ÕâßÅÖ• jŒÑ” OQÍ ÃÑ~° QÆ `« #” JkèHõ [< =#~° ÅÃÑ. ZÖĭO\ ŒÑ"Éèĭ"âx” Hõeæã” ÎO^À,, q=~°}ĭ` «,HõOQÍ ` Å Ê=
4. Éèĭ~° «^Õâ OÖ• "ÕQÆOQÍ ÃÑ~° QÆ `« #” [<ãÉèĭ = \$kú ~@ =, Å^è—# q=iŒÑ"Ù=Ú.

ã"= ^è€#=ÚÅ

38.1 áê~îâ°Oâ ŒÑ"â "Å

i) `«Ñ"ÙÊ ii) `«Ñ"ÙÊ iii) XÑ"ÙÊ iv) `«Ñ"ÙÊ v) `«Ñ"ÙÊ

38.2 áê~îâ°Oâ ŒÑ"â "Å

i) `«Ñ"ÙÊ ii) `«Ñ"ÙÊ iii) `«Ñ"ÙÊ iv) `«Ñ"ÙÊ v) `«Ñ"ÙÊ vi) XÑ"ÙÊ.

áê~îâ°O` «~° ŒÑ"â "Å

1. ÃãHõ <£ 31.3 K«^=O_ç.
2. ÃãHõ <£ 31.4 =O_ç.
3. ÃãHõ <£ 31.4 =O_ç.
4. ÃãHõ <£ 31.4 =O_ç.

39. Éèĭ~° «^Õâ [çáÉèĭ

(Population of India)

39.1 LáÊ^€f` «O

g ~° ŒEH O^~\ áê~î°OÖ• XHõ ^Õâ OÖ• = #=â H Î=#~° Å# P ^Õâ [çáÉèĭ
<Õ~° Ū'õ <â"~° . XHõ ^Õâ OÖ•x = # = #~° Å ÅHõ }ĭÅ# ` Å ã" H # @ O J` «°=
^€x eOQÆx+ "Êuĭ, =Ü Ñ"ON } , JHõ ~ãã"° « 'êú~Ú " ÚII J<ÕHõ = # = #~°
=ÜOk. D áê~î°OÖ• = #O Éèĭ~° «^Õâ *çáÉèĭ = iÜ«Ú qq^è– [çáÉèĭ ã"= ã"°
<Õ~° Ū'õ OĭO.

39.2 ÅH Í°Å

- D áê~î°O K«kq# ` «~â" « g ~° D ŒEH Ok JOâßÅ ` Å ã" 'õ Oĭ~° .
- x Éèĭ~° «^Õâ [çáÉèĭ Ñ"i= }O = iÜ«Ú QÆ` « ^âßÉĭĭÅ HÍÅOQÍ ^€x = \$
 - x 1921 ã"OII # O_ç Éèĭ~° «^Õâ [çáÉèĭ = \$kú ~@ # q=iOK« @.
 - x Éèĭ~° «^Õâ [çáÉèĭ x~â, }O# q=iOK« @
 - x JkèHõ [çáÉèĭ = Åĭ Éèĭ~° «^Õâ O'õ HõÅ QÆ Ñ"Å ã"= ã"°Å q=iOK«
 - x [çáÉèĭ ã"= ã"°Å Ñ"iêê~âxH ` «QÆ Ñ"iêê~° = ~âæÅ# ã" zOK« @

39.3 [çáÉèĭ Ñ"i= }O = iÜ«Ú [çáÉèĭ = \$kú

Z) [çáÉèĭ Ñ"i= }O (Size of Population)

XHõ xs` « HÍÅOÖ• ^Õâ OÖ•x = ã OKÕ [çáÉèĭ# P ^Õâ [#ã"OY°QÍ ĭ Ñ~
HÍÖĭxH XHõ'êi ^Õâ OÖ•x [çáÉèĭ# Ö H ^OK« @ O [~° QÆ` « Ok. D ŒEN"
JO^ ~° . Éèĭ~° «^Õâ OÖ• 1991Ö• XHõ'êi = iÜ«Ú z=iQÍ 2001Ö• [çáÉèĭÖ
= iÜ< Å XHõ\ <â\ H ^Õâ OÖ• = Ü#" [#ã"OM°# '[çáÉèĭ Ö Hõ~Å „ ` eÜ« *Ê'êĭ~
[çáÉèĭÖ Hõ~Å ŒEN" HÍ~°O Éèĭ~° «^Õâ Ñ"Ü [çáÉèĭ 84.63 HÀ@ ĭ. nx J~°úO É
<â\ H 84.63 HÀ@ ĭ= Ok. [çáÉèĭ Ö Hõ~Å H=ÅO [#ã"OY°<Õ HÍHõ, [çáÉèĭ J
[çáÉèĭ = \$kú ~@ , JHõ ~ãã"° « ~@ , [#êOŒ^~` « " Ú^~ÅQÆ JOâßÅ# ` eÜ

Ñ" ĭHõ 39.1 Ö• 1901 # O_ç qq^è– [çáÉèĭ Ö H ^ON"ÜÅ q=~âÅ á†O^

Ñ\ ìHõ 39.1

Éèl~° «^Õâ " Ú` «ÎO [<âÉèl

ã"OII	[<âÉèl	ã"O= `«û~°O	[<âÉèl(HÀ@;Ö•)
1901	23.8	1951	36.10
1911	25.2	1961	43.92
1921	25.1	1971	54.81
1931	27.9	1981	68.33
1941	31.87	1991	84.43

ÃÑ. ã"= Kâ~°O# P^è€~°OQÍ KÕã" H x Éèlq+~°ü [#ã"OY°# = #O JOK
âßOEã"ÎO Ñ"~^~` « Å ã"Ç"ÎHõl'êl~Ú. 1996 Ö• Éèl~° «^Õâ [#ã"OY° 93.4 H.
100HÀ@; kâ QÍ = #[<âÉèl ÃÑ~° QÆ ^~Å Ñ"Ü« xã" Î#"k. 1901 # Oz <Õ\ =~
ã"OII # Oz =, _» Ô~@;~õ ÃÑ.QÍ ÃÑiyOk. 90 ã"OIIÅ HÍÅOÖ• 1901 # O_ç 195

OEÑ"ã" Î` « Éèl~° «^Õâ [<âÉèl JkèHõ ã"OY°Ö• =ÜO^€? DOEÑ"â "õ ã

K .<â `«~â" « [<âÉèl q+~°Ü« ÅÖ• OEÑ"Ñ"OK«OÖ• Ô~O _»= ÃÑ^~^~`Î^Õâ
16âß` «O = Ok Éèl~° «^Õâ OÖ• L<â"~° . OEÑ"Ñ"OK« [<âÉèlÖ• OEÑ"u P~° G
OEÑ"Ñ"OK« ^ÕâßÅ (K .<â, J" ìHõ<£, OEÉ IÖò = iÜ«Ú WO_À<Õ+ Ü«) =
[<âÉèl# q Oz [<âÉèl Hõeæ L<â"~Ú J#@O Juâ Ü H Î HÍ^ . HÍx Éèl qã•Î~
2.42 âß` «O = OE` «"Õ Éèl~° «^Õâ O Hõeæ=ÜOk. JO^ =Å; <Õ, [<âÉèl qã•
JkèHõ [<âÉèl HõÅ^ .

a) [<âÉèl = \$kú (Population Growth)

Éèl~° «^Õâ OÖ• [#ã"OY° JkèHõOQÍ<Õ HÍõ O _® [<âÉèl=\$kú ~@ "
QÆ= xOz#@;~Ú` Õ, OEÑ"u ^~âß|ÎO HÍÅOÖ•# [<âÉèlÖ• ÃÑ~° QÆ ^~Å =\$
HÍÅOÖ• [<âÉèl=\$kú 7.8 HÀ@ ;. Wk OEa@<£Ö• ^Õâ O [<âÉèlõ XHõ\ #"~°
=\$kú 13.5 HÀ@ ;. Wk OEa@<âÉèlõ Ô~O _» #"~° Ô~@ ; JkèHõO. 1961-71 ^
10.8 HÀ@ ;. Wk [âê<£^Õâ O Ö•x [<âÉèlÖ• 3/4 =O` « . = iÜ«Ú 1981-91 Ö•x
[âê<£ ^Õâ [<âÉèl Hõ#" JkèHõO.

OEÑ"u x=Ú+~°O#õ Éèl~° «^Õâ [<âÉèlõ 34 = Ok [`« J=Ü` « <â"~° . J-
5QÍ# [âê<£Ö• 01 QÍ HõÅ^ . OEÑ"Ñ"OK« [<âÉèl ÃÑ~° QÆ ^~Å ã" = ~° 17
"â\ OEÑ"Ñ"OK« [<âÉèl ÃÑ~° QÆ ^~ÅÖ• Zõ =QÍ HõÅ^ . ÃÑ. q+~°Ü« Åx
Éèl~° «^Õâ *<âÉèl Zõ =QÍ =ÜOk = iÜ«Ú ÃÑ~° QÆ `« Ok. [<âÉèl=\$kú
D q+~°Ü« x" `eÜ« *Ëã" Î<â"~Ú. Ñ\ ìHõ 39.2Ö• Éèl~° «^Õâ [<âÉèl=\$kú ~

Ñ" \ ìHõ 39.2

Éèĩ~° «^Õâ [<âÉèĩ = \$kì ~ @ ;

QÆ} # ã"O= ` «û~° QÆ Éèĩ AN~° QÆ ^-Å / «QÆ Éèĩ @ Å			
HÍÁOÖ• ^-âß ìHÍÁOÖ•			
1901	23.8	-	-
1911	25.2	5.76	0.56
1921	25.1	-0.31	-0.03
1931	25.9	11.00	1.04
1941	31.87	14.22	1.33
1951	36.10	13.31	1.25
1961	43.92	21.51	1.96
1971	54.81	24.80	2.20
1981	68.33	24.66	2.22
1991	84.63	23.50	2.11

Éèĩ~° «^Õâ [<âÉèĩ "ÕQÆOQÍ ÃÑ~° QÆ ` « Ok. 1921Ö• [<âÉèĩ = \$kú 1921 = ^è-°HÍÁOÖ• [<âÉèĩ ÃÑ~° QÆ ^-Å ã"O= ` «û~°O# 'õ H= ÅO 0.27 âß` "Q Ñ"Ê qÉèĩ[Hõ ã"O= ` «û~°O,,,,QÍ ¿Ñ~ "O|~° . Ñ" \ ìHõ 39.2Ö• '3,,Ö• = ~° ã"Ö [iyOk. 1951 ã"OII # O_ç [<âÉèĩ = \$kú jœÑ" OQÍ ÃÑiyOk. JkèHõ [<âÉèĩ = iÜ ÃÑ.QÍ = ÛO_ » @ O PO^Àà # K O^ = Åã # ã ÷ u. 1981-91 ^-âß|ìHÍÁO Ö• K . < J^ÕHÍÁOÖ• Éèĩ~° «^Õâ [<âÉèĩ 2.11 âß` «O ÃÑ~° QÆ ^-Å# á†OkOk. œÑ K . <â# q OzáÈ~Ú D ^-âß|ìOÖ• œÑ"Ñ"OK«OÖ• [<âÉèĩ J` «°kèHõOQÍ QÆ

WN" ÛÊ_ » = #O Éèĩ~° «^Õâ OÖ• [<âÉèĩ "ÕQÆOQÍ ÃÑ~°QÆ_®xH Jaè= \$kì K O^ ` « # " ^Õâ O. œH O^ \ áê~î°OÖ• ` eÊ#@ ; PiúHõ = \$kú [~° ^-â Å QÍ LO|~Ú. Éèĩ~° «^Õâ O [<âÉèĩ ^-â ÅÖ• Ô~O_ » = ^-â Ö• = ÛOk. D ` «yæ, [# <âÅ ~ @ ; x^€#OQÍ ` «QÆ æ ` « Ok. JO^ = Å; [## = ~°}İÅ = ^è-° JO` ~ @ . 1901 ã"OII # O_ç [# <âÅ, = ~°}İÅ ~ @ ; # Ñ" \ ìHõ 39.2 Ö• K« Ñ OKâ=Ú. ã"Ç"İ [ÃÑ~° QÆ ^-Å# K« Ñ OKâ~Ú.

Ñ" \ ìHõ 39.3

"âi¬Hõ = \$kú ~@ 1000 = OkH

HÍÄO	[#<âÄ ~@	= ~°}Ä ~@	ã"Ç"Ä = \$kú
	(1)	(2)	(3)
1901-1911	49.2	42.6	6.6
1911-1921	48.1	48.6	-0.5
1921-1931	46.4	36.3	10.1
1931-1941	45.2	31.2	14.0
1941-1951	39.9	27.4	12.5
1951-1961	41.7	22.8	12.5
1961-1971	41.2	19.0	22.2
1971-1981	37.2	15.0	22.2
1981-1991	32.5	11.4	21.1

[<âÉèì Ñ"i}Ä = OÖ•x Ö~O_ » = ^â Ö• Éèì~° «^Öâ O Lok. 39.3 Ñ" \ ìHõ
 `«QÆ æ^Ä [#<âÄ ~@ `«QÆ æ^Ä Hõ<â" Z'õ = QÍ LO^<Ö q+"Ü« O`
 "ÖQÆOQÍ [<âÉèì = \$kú K O^@O, [<âÉèì = \$kú ~@ JkèHõOQÍ LO
 'èú~ÚÖ• Lok. JkèHõ [#ã"OY° = Ä; H kláê\ ÄÑ~° QÆ ^Ä ~@ ÄÑiy<â " Ü
 HõÄ ä" ÎOk.

QÆ ~° ÎOK« HÀ=Äã # JOâßÄ

- x XHõ ^Öâ [#ã"OY° JO>Ë J~°úO XHõ ^Öâ OÖ• x=ã OK« ÖÑ"Ä
 HÍÄÑ"iq u K OkOk. ÖÑ"Ä ä"OM°# Ö H ^OK« ÖÑ"ÖH Ü« # (Ä
 JO\~°.
- x Éèì~° «^Öâ OÖ• [<âÉèì Ö H ^ON"Ü ÖÑ"u Ñ"ka"O= `«û~âÄ'õ XH
 [<âÉèì Ö H ^ON"Ü x~°"Ç"Ä} 2001 Ö• KÖÑ"Äì~°.
- x Éèì~° «^Öâ [#ã"OY° Ñ"i= }O KâÖÖ Z'õ =. 16 âß`«O ÖÑ"Ñ"OK«
 Lok. ÖÑ"Ñ"OK« Éèì qã•Î~°OÖ• H=ÄO 2.4% = Ö`«"Ö = #^Öâ
 [<âÉèì=\$kú ~@ KâÖÖ Z'õ =.
- x = #^Öâ OÖ• JkèHõ [<âÉèì = \$kú ~@ 'õ QÆÄ ÖÑ"Äè€# HÍ~°}O
 [#<âÄ ~@ < = ,kQÍ `«QÆæ@O.

39.1

1. D ŒH Ok "à\ Ö• `«Ñ"Ĉ / XÑ"ĈA# QÆ îĖOK«O_ç.
- i) [$\text{àÉèĭ} \text{Ö} \text{H} \text{õ} \text{Å} \text{H} = \text{ÅO} \text{XH} \text{õ} \text{^} \text{Õâ} \text{O} \text{Ö} \cdot \text{x} [\# \text{ã} \text{''} \text{OY}^0 \text{õ} \text{ã} \text{''} \text{O} | \text{Ok} \text{è} \text{Oz} \# \text{ã}$
- ii) 1901 # O_ç Éèĭ~° «^Õâ [$\text{ã} \text{''} \text{OY}^0 \text{Õ} \text{QÆ} \text{OQÍ} \text{ÃÑ} \text{~}^0 \text{QÆ} \text{' } \text{« } < \text{Õ} \text{LO}$
- iii) JkèHõ [$\text{àÉèĭ} = \$\text{kúH} = \# \text{^} \text{Õâ} \text{O} \text{Ö} \cdot \text{QÆ} \text{Å} \text{œÑ} \text{' } \text{^} \text{è} \text{€} \# \text{HÍ} \text{~}^0 \text{O} = \text{~}^0 \text{ĭ}$]
[$\# < \text{àÅ} \text{~} @ < = , \text{kQÍ} \text{' } \text{«} \text{QÆ} \text{æ} @ \text{O}$.
2. MĭmÅ# ã"iÜ ŷ # Ñ"Λ€Å`À Ñ"ÓiOK«O_ç.
- i) 1991 <à\ Éèĭ~° «^Õâ [$\text{ã} \text{''} \text{OY}^0 \dots \text{HÀ} @ \text{; } (84.63, 87.4$
- ii) 1981 - 1991 = ^è-°HÍÅOÖ• [$\#\#, = \text{~}^0 \text{ } \text{~} @ \text{; } = \# \text{^} \text{Õâ} \text{O} \text{Ö} \cdot \dots$
..... "Õ~ÚH . (25.10, 32.5, 11.4)
- iii) Éèĭ~° «^Õâ Ñ"Ù ã"O = `«ûiHõ [$\text{àÉèĭ} = \$\text{kúâß} \text{' } \text{«} \text{O } 1981\text{-}91 \text{HÍÅO}$
2.11)
- iv) Éèĭ~° «^Õâ OÖ• [$\text{àÉèĭ} \text{Ö} \text{H} \text{~} \text{OÑ} \text{' } \text{Ù} \text{x} \text{~}^0 \text{'' } \text{Ç} \text{ĭOK} \text{« } \# \text{k} \dots$
- v) `«^ Ñ"i [$\text{àÉèĭ} \text{Ö} \text{H} \text{~} \text{OÑ} \text{' } \text{Ù} \text{œÑ} \text{' } \text{œH} \text{Ü} \text{« } = \# \text{^} \text{Õâ} \text{O} \text{Ö} \cdot \text{x} \text{~}^0 \text{'' } \text{Ç} \text{ĭOI}$
2005)

39.4[<ǎÉèĭ x~ǎ}O (Structure of Population)

D qÉèĭQÆOÖ• = #O Éèĭ~° «^Õâ Ñ"Ù [<âÉèĭ ÅHõ }ĭÅ ` Å ûõ O^EO.
[<âÉèĭ JOâßÅ J~Ú# =Ü Ñ"ON } , eOQÆ x+~ÊuÎ, ŒQÍg } - Ñ"@ì} [<âÉ
= iÜ«Ú [#'êOŒ^~ « " ÚII#q XH ~Hõ~ ^€xx QÆ iOz K«iÛOK« ^EO.

- i) $eOQ\mathbb{A}x+\hat{\mathbb{E}}u\hat{\mathbb{I}}$
 $eOQ\mathbb{A}x+\hat{\mathbb{E}}u\hat{\mathbb{I}}J\#Q\acute{\mathbb{I}}[\langle\grave{\mathbb{a}}\acute{\mathbb{E}}\grave{\mathbb{I}}\ddot{\mathbb{O}}\bullet\mathbb{A}\tilde{\mathbb{a}}\bullet\hat{\mathbb{I}}\tilde{\mathbb{N}}\text{``}\grave{\mathbb{U}}\sim^{\circ}+\text{``}\mu\mathring{\mathbb{A}}x+\hat{\mathbb{E}}u\hat{\mathbb{I}}x\ddot{\mathbb{O}}\mathbb{H}^{-}\mathbb{O}\mathbb{K}\ll\text{@}\mathbb{O}.$
 $\text{``}\ddot{\mathbb{O}}\sim\acute{\mathbb{U}}=\mathbb{O}k\tilde{\mathbb{N}}\text{``}\grave{\mathbb{U}}\sim^{\circ}+\text{``}\mu\mathring{\mathbb{A}}\langle\tilde{\mathbb{o}}\mathbb{Q}\mathbb{A}\mathring{\mathbb{A}}\mathbb{A}\tilde{\mathbb{a}}\bullet\hat{\mathbb{I}}\mathring{\mathbb{A}}\tilde{\mathbb{a}}\text{``}\mathbb{O}\mathbb{Y}^0\text{`}\mathring{\mathbb{A}}\hat{\mathbb{E}}\text{``}\mathbb{O}k.nxx\ddot{\mathbb{O}}\mathbb{H}^{-}\mathbb{O}\mathbb{K}\ll_ \text{@}$
 $eOQ\mathbb{A}x+\hat{\mathbb{E}}u\hat{\mathbb{I}}\frac{\text{``}\acute{\mathbb{U}}\text{``}\ll\hat{\mathbb{I}}\mathbb{O}\mathbb{A}\tilde{\mathbb{a}}\bullet\hat{\mathbb{I}}[\#\tilde{\mathbb{a}}\text{``}\mathbb{O}\mathbb{Y}^0}{\text{``}\mathbb{U}\text{``}\ll\hat{\mathbb{I}}\mathbb{O}\tilde{\mathbb{N}}\text{``}\grave{\mathbb{U}}\sim^{\circ}+\text{``}[\#\mathring{\mathbb{a}}\mathbb{O}\mathbb{Y}^0}$

Éèĭ~° «^Õâ OÖ• 1901 # Oz =Ù#” (Ñ”\ ìHõ 39.4 Ö•) eOQÆx+”Êuĭ q=

Ñ”\ ìHõ 39.4

ã”O=° «û~°O	eOQÆx+”Êuĭ	ã”O=° «û~°O	eOQÆx+”Êuĭ
1901	972	1951	946
1911	964	1961	941
1921	955	1971	930
1931	950	1981	934
1941	945	1991	929

ÃÑ. Ñ”\ ìHõ Ñ”ijeOz# Éèĭ~° «^Õâ OÖ• eOQÆx+”ÊuĭÖ• Ñ”Ù~° +”μÅ
q+”Ü« O J~°ú= =Ù` « Ok. = iÜ«Ú D x+”Êuĭ x~°O` «~°O ÃÑ~° QÆ `« H #’êQ
L#” Æã•ÎÅ ã”OY° `« ‘õ =QÍ =ÙO_ » @”Õ HÍHõ, xÅHõ_ »QÍ` «QÆ æ` « Ok. D
= iÜ«Ú 1991 Ö• 929. J~Ú` Õ, U Jaè=\$kú K Ok# ^Õâ OÖ• Ñ”Ù~° +”μÅHõ<ã

Ñ”\ ìHõ 39.4 Ö• W=“|_ç# JOÔHÅ ^Õâ O” Ú` «ÎO#‘õ K Ok#q. qq^è— ~ãOE
=°`ã°’êÅ HõÅ=Ù. L^€Ç”ĭ~°}‘õ H~°à Ö• eOQÆx+”Êuĭ 1036 HÍQÍ, L` «Î~° OE
x+”Êuĭ = #^Õâ OÖ• `« ‘õ =QÍ =ÙO_ » \ĭxH QÆÅ OEÑ”^è€# HÍ~°}ĭÅ : [<ãÉè
áÈ=Ù@O, Æã•ÎÇ”ĭ~°^€ ã”= [OÖ• `« ‘õ =QÍ =ÙO_ »@O áœ+ ^HÍÇ” ~°Ö•Ñ”O
Z‘õ =QÍ=ÙO_ » @O, JHõ ~ãã”° « `« ‘õ =QÍ LO_ »@O ” Úĭ#q.

ii) =Ü Ñ”ON }

=Ü Ñ”ON } J#QÍ qq^è— ’ê÷~Ú =Ü« ã” û QÆÅ =°‘õ ÎÅ x+”Êuĭ ” Ú` «ÎO [

=,_ » =Ü ÆQÆ Ñ”ÜÅ QÍ qÉèĭOKã~° .

(1) 15 ã”Oĭ Hõ<ã” `« ‘õ = =Ü« ã” ûQÆÅ”ã~° (2) 15-59 ã”Oĭ = ^è—° =

(3) 69 ã”Oĭ = iÜ«Ú PÃÑ.# ”ã~° .

15-59 ã”Oĭ = ^è—° =Ü« ã” û HõÅ”ã~° Ñ”xKÕÜ«Ú =Ü« ã” û QÆÅ ÆQ
=Ü« ã” û QÆÅ”ã~° , 60 ã”Oĭ PÃÑ.# =Ü« ã” ûQÆÅ =\$^— ÎÅ P^è€~°Ñ”_ç#

= #^Õâ OÖ• 15 ã”Oĭ Hõ<ã” `« ‘õ = =Ü« ã” û QÆÅ Ñ” ÅĭÅ ã”OY° ” Ú` «Î
= iÜ«Ú 1992 ã”OĭÖ• 35.5 âß` «O 60 ã”Oĭ JO` «Hõ<ã” ÃÑ.# =Ü« ã” ûQÆÅ
[<ãÉèĭÖ• 6.5 # Oz 6.65 âß` «OQÍ =ÙOk. D Ô~O_ » ÆQÆ Ñ”ÜÅ ” Ú` «ÎO
” Ú` «ÎO# J#`ãÊ^—Hõ qxÜ QÆ ^€~° Å QÍ Ñ” Å ’êĭ~° . Ñ”xKÕÜ«Ú ÆQÆ Ñ”
Éèĭ~°O JkèHõOQÍ =ÙOk. nxx | \ ì ” Ú` «ÎO [<ãÉèĭÖ• Ñ”xKÕÜ«Ú =Ü« ã” û Q
` Å ã” ÎOk. L^À°QÍÅ H ~°‘õ ”Õz=Ù#” ”ãĭã”OY° Z‘õ =QÍ LO^—<Õ q+”Ü« O`

W' « ~° ÅÃÑ. P^è€ ~°Ñ" _ç ÖË^€ Ñ"xKÕÜ« QÆÅ =Ü« ã" û QÆÅ "âi
x+ "ÊuÎ,, JO\I~°. P^è€i « [<âÉèi âß` « O
P^è€i « x+ "ÊuÎ,, JO\I~°. P^è€i « [<âÉèi âß` « O
iii) ŒQÍg } - Ñ"@i} [<âÉèi Ñ"ON }
Éèi~° « ^Õâ OÖ• ŒQÍg } ŒÑ"[Å ã"OY° " Ú` « ÎO [<âÉèi Ö• Ñ"@i} [#ã"O
1901 ã"OII # O_ç Éèi~° « ^Õâ OÖ•x ŒQÍg } - Ñ"@i} [<âÉèi qãÎ~°}# Ñ

Ñ"\ ìHõ 39.5

ã"OII	ŒQÍg }	Ñ"@i} (âß` « O)	ã"OII	ŒQÍg }	Ñ"@i} (âß` « O)
1901	89.2	10.8	1951	82.7	17.3
1911	89.7	10.3	1961	32.0	18.0
1921	88.8	11.2	1971	80.1	19.9
1931	88.0	12.0	1981	76.7	23.3
1941	86.1	13.9	1991	74.3	25.7

ã" = ~° 3/4 =O` « Éèi~° « ^Õâ Ñ"Ú [<âÉèi ŒQÍg } ŒÁêO`âÄÖ•<Õ x=
=°=ã"÷# ŒQÍg } PiúHõ =°=ã"÷ Jx Ñ Å 'èi~°. = #^Õâ OÖ•x ŒÑ"[Å =ÚY°=
[<âÉèi x+ "ÊuÎ 1901-1991 = ^è~° HÍÅOÖ• 89.2 âß` « O # O_ç 74.3 âß` « O<õ ` `
JO` « QÆ}hÜ« " ÿOk HÍ^.

iv) [#êOŒ^~` «

[#êOŒ^~` « J#QÍ XHõ K«^~°Ñ"Ú H Ö•g @~° qãÎ~°OÖ• x=ã OK«
Ö H ^OK« @<õ " Ú` « ÎO ^Õâ [<âÉèi# ^Õâ OÖ•x Éèi qãÎ~°O`À ÉèiyOKâ
[#êOŒ^~` « ´ " Ú` « ÎO [#ã"OY° / " Ú` « ÎO ^Õâ Éèi qãÎ~°O

U^Õâ OÖ•< .<â Éèi qãÎ~° = ~° Ê ÖË<õ O_® ã ÷~°OQÍ =ÜO@ Ok.
ÃÑ~° QÆ` « Ok. [#êOŒ^~` «# kQÆ = Ñ"\ ìHõ 39.6Ö• á†O^ Ñ"~°Ú|_çOI

Ñ"\ ìHõ 39.6

ã"OII	[#êOŒ^~` «	ã"OII	[#êOŒ^~` «
1901	77	1951	117
1911	82	1961	142
1921	81	1971	177
1931	90	1981	216
1941	103	1991	274

[<âÉèĭ ÃÑ~° QÆ ^-Å =Åĵ<Ō, [#'êOœ^~` « ‹õÄ_® 1951 # Oz ÃÑ~° QÆ
œÑ~^è€#" ŷ# ^Ōâ O J=@O =Åĵ, JkèHõ[<âÉèĭ=Åĵ = iŬ«Ú [#'êOœ^~` « =Åĵ
ç= O£ ÃÑ~° QÆ `« Ok.

v) JHõ ~ãã~° â ~@

=°H ÎH K«^~ =Ù@, œ"âŬ«Ú@ = iŬ«Ú U^ .# XHõ Éèĭ+~Ö• J=QÍÇ~ĭ
'JHõ ~ãã~° _» „ QÍÑ~iQÆ} 'êĭ~° . 1991 [<âÉèĭ Ō Hõ-Å œÑ~HÍ~°O JHõ ~ãã~°
Z<õ ~ = =Ù#" "aix P^è€~°OQÍ Ō H -OK«_»O [iyOk. 1951 ã~OIIÖ• JHõ ~ãã~° â
Ñ~Ŭ~° +~µÅ 25âß` «O = iŬ«Ú = Ç ĩà Å 8 âß` «OQÍ L<â"~° . 1991 Ō• " Ú «ÎC
JO^~ Ō• 64.17 âß` «O Ñ~Ŭ~° +~µÅ = iŬ«Ú 39.5 âß` «O œã•ÎÅ . JHõ ~ãã~°
œáêO`âÅŌ• œQÍg } œáêO`âÅ Hõ<â" Z<õ ~ =QÍ LOk. 1981 Ō• JHõ ~ãã~° â
46.9 âß` «O HÍQÍ œã•ÎÅ 28.8 âß` «OQÍ L<â"~° . 1981 ã~OII " Ú «ÎO x~°Hõ ~
1991Ō• D ã~OY° 32.4 HÀ@ ĵQÍ LOk. JHõ ~ãã~° «Ō•x ÃÑ~° QÆ ^-Å [<âÉèĭ

vi) PŬ«ÚóœÑ~ = }O

Ñ~Ŭ\ ĭ# tâ =Ù r=# HÍÅO# PŬ«ÚóœÑ~ = }OQÍ =°=Ç~ĭ'êĭ~° . 'ê" «Oœ`
PŬ«ÚóœÑ~ = }O H=ÅO 32 ã~OII = œ`«"Ō . Wk 1991 ã~OII<â\ H 58 ã~OII
= ^è-°HÍÅOŌ• = #^Ōâ OŌ•x œÑ~[Å PŬ«ÚóœÑ~ = }O 61.2 ã~OIIQÍ LOk. Ñ~
Z<õ ~ =QÍ LOk. 1991-96-04 = ^è-°HÍÅOŌ• Wk Ñ~Ŭ~° +~µÅŌ• 60.6 ã~OII HÍQÍ
U" ŷ#Ñ~Ê\ H , œQÍg } œáêO`âÅ`À áÈe;ãĭ Ñ~@ĭ} œáêO` « "ãã" Å PŬ«ÚóœÑ~
ã~OII PŬ«ÚóœÑ~ = }O œQÍg } Éèĭ~° «OŌ• 57.4 ã~OIIHÍQÍ Jk Ñ~@ĭ} œáêO`

vii) ~âœëèĭÅ = ^è-° [<âÉèĭ qã~ĭ~°}Ō• `Ō_®Å

Éèĭ~° «^Ōâ OŌ• qq^è- ~âœëèĭÅ = ^è-° [<âÉèĭ ã~O|Okè` « JOâßÅŌ
~âœ+~iOŌ• 1994 ã~OII #O^~ [#<âÅ ~@ 17.3 HÍQÍ, `«q à <â_» Ō• 19, L`«ĭ~
= iŬ«Ú cÇ~ ~üŌ• 32.5 QÍ LOk. = ~°}ĭÅ ~@ 1994Ō• H~à ~âœ+~iOŌ• 6.0
1991 ã~OIIŌ• 8 ~âœëèĭÅŌ• [<âÉèĭ = \$kú ~@ *ĭfŬ« [<âÉèĭ = \$kú ~@ Hõ<
Hõ~â'@Hõ, Ñ~O*ĭ| , Xi'êû, Ç ĩ= K«Ōò œÑ~^Ōâò, QÀ"â, `«q à <â_» = iŬ«
= ^è-°œÑ~^Ōâò. = Ç~ ~âœ+~iÅŌ•[<âÉèĭ = \$kú ~@ KåŌĭ Z<õ ~ =QÍ LOk. XH
Z<õ ~ =QÍ LOk. 1991 *<âÉèĭ Ō Hõ-Å œÑ~HÍ~°O H~à Ō•x eOQÆx+~Êuĭ 103
eOQÆx+~Êuĭ 900 Hõ<â" `«<õ ~ =QÍ LOk.

Éèĭ~° «^Ōâ OŌ•x qq^è- ~âœëèĭÅŌ• =Ù#" JHõ ~ãã~° « ~@ Ō• `â~
JHõ ~ãã~° « KåŌĭ Z<õ ~ =QÍ 95 âß` «O QÍ LOk. nxH aè#"OQÍ cÇ~ ~üŌ• JH

= OE` « "Õ . W^Õ ã ÷ u L` « Î~° OEÑ" ^Õâò, ~â['ê ÷ < £ ÅÖ• LOK. OEã• ÎÅ (= Ç ìà Å
 = ^è-° QÆ= xOK«=K« Û. OEã• ÎÅ JHõ ~ãã"° « ~â['ê ÷ < £ Ö• 21 âß` « O HÍQÍ,
 [# 'ê OOE^` « q+ "Ü« OÖ• ~âOEëèìÅ = ^è-° =° â°êÅ L<â" ~Ú. _èçb;Ö•
 [# 'ê OOE^` « 6,139 = OkHÍQÍ, J~° }IK« Öò OEÑ" ^Õâò #O^ [# 'ê OOE^` « H=
 H~°à #O^ J` «°kèHõ PÜ« ÚóOEÑ"= }IÅ 70 ã" OIIÅ QÍ = ÛO>Ë = ^è-°
 LOK.

QÆ ~° ÎOK« HÀ=Åã # JOâßÅ

- x JkèHõ [#ã" OY°, "ÕQÆOQÍ ÃÑ~° QÆ `« #» [<âÉèÏ ÅHõ }IÅ`À áê
 ÅHõ }IÅ Hõæ = ÛOk.
- x eOQÆx+ "ÊuÎÖ• `« QÆ æ^Å : " Ú` « ÎO [<âÉèÏÖ• Ñ"Ü~° + "µÅ ã"O
 `« <õ _=QÍ LOK.
- x 15 ã" OII ÅHõ<â" `« <õ _=Ü« ã" û QÆÅ "â~° = iÜ« Ú 60 ã" OII =Ü«
 KåÖÏ Z<õ _=QÍ LOK. P^è€~°Ñ" _» « "âi x+ "ÊuÎ [<âÉèÏÖ• Z<õ _=.
- x ã" = ~° 3/4 =O` « ÉèÏ~° « ^Õâ O [<âÉèÏ OEQÍg } OEáêO` âÅÖ• x=ã
- x [# 'ê OOE^` « ÉèÏ~° « ^Õâ OÖ• "ÕQÆOQÍ ÃÑ~° QÆ `« Ok. nxH
 ~@ Z<õ _=QÍ LO_» @O.
- x [<âÉèÏ ÃÑ~° QÆ ^Å =Å; x~°Hõ ~ãã" °Å ã" OY° XHõ OEÑ" Hõ- ÃÑ~°
 ÃÑ~° QÆ `« Ok. OEã• ÎÅHõ<â" Ñ"Ü~° + "µÅÖ• JHõ ~ãã"° « ~@ Z<
 OEáêO` âÅ Hõ<â" Ñ" @ì} OEáêO` âÅÖ• JHõ ~ãã"° « ~@ Z<õ _=QÍ
- x [<âÉèÏ Jx" JOâßÅÖ•# qq^è- ~âOEëèìÅ = ^è-° 'ê~° Ñ"° « ÖË^ .
 eOQÆx+ "ÊuÎ, JÅÊ [#<âã ~@ PÜ« ÚóOEÑ"= }IÅ HõÅ=Û. ÃÑ. q+ "Ü
 ã ÷ uQÆ` « Å = ^è-° J<ÕHõ =° â°êÅ HõÅ=Û.

áê~îâ°Oâ OEÑ"â "Å 39.2

1. OEH Ok MïmÅ# OEÉÏÔH@;Ö• W="|_ç# Ñ" ^€ÅÖ• ã"iÜ ÿ # Ñ" ^-O`À Ñ
 i) 1991 ã" OII<â\ ÉèÏ~° « ^Õâ Ñ"Ü eOQÆx+ "ÊuÎ
 ii) = #^Õâ OÖ• [<âÉèÏ Ü« O^ Å Hõ<â
 (Ñ"Ü~° + "µÅ / OEã• ÎÅ)
 iii) ÉèÏ~° « ^Õâ OÖ• P^è€~°Ñ" _» « "âi ã" OY° (Z<õ
 iv) = #^Õâ [#ã" OY°Ö• OEQÍg } Å âß` « O (50, 75, 90)

- v) "ÕQÆOQÍ ÃÑ~° QÆ `« #» [<ãÉèĭ =Åĭ [#'êOœ^~` «
- vi) 1981 # O_ç Éèĭ~° «^Õâ OÖ• x~°Hõ ~ãã° Å âß`«O (
- vii) JHõ ~ãã~°ã ~@ Ö H ^ON~^ÜÖ• [<ãÉèĭ =Ü Ñ~°iq u
Z<õ ~=# fã~ H O\ĭ~° . (5, 7, 15)
- viii) PÜ«ÚóœÑ~° = }O œQÍg } œáêO`ãÄÖ• Ñ~°@ĭ} œáêO`ã
- ix) Ñ~°Ü~° +~°µÄ Hõ<ã» œã•ÎÄ PÜ«ÚóœÑ~° = }O (Z<õ

2. œH Ok "ãHÍ°ÄÖ• `«Ñ~°ÜÊ/XÑ~°ÜÊÄ# QÆ îĬOK«O_ç.

- i) = #^Õâ ~ãœëêĭÄx"O\ Hõ<ã» H~°à Ö• JkèHõ eOQÆx+~°Êuĭ = iÜ
- ii) Ñ~°O*ĭ\ Ö• J`«°kèHõ eOQÆx+~°Êuĭ LOk.
- iii) eOQÆx+~°Êuĭ JO>Ë 1000 = Ok Ñ~°Ü~° +~°µÄ<õ =Ü#» œã•ÎÄ x+~°Êuĭ
- iv) Éèĭ~° «^Õâ OÖ•x [<ãÉèĭÖ• 1/3 =O`« = Ok 15 ã~°OĭÖ•Ñ~°Ü "ã ~.
- v) [#'êOœ^~` « J#QÍ " Ú`«ÎO [#ã~°OY°<õ , " Ú`«ÎO Éèĭ qã•Î~°O#<õ =
- vi) PÜ«ÚóœÑ~° = }O = #^Õâ OÖ• 1981 # Oz ÃÑ~° QÆÖË^~.
- vii) PÜ«ÚóœÑ~° = }O = ^è~°œÑ~°^Õâò #O^~ J`«°ÄÊO.

39.5[<ãÉèĭ ã~° = ã~°

D qÉèĭQÆOÖ• Éèĭ~° «^Õâ OÖ•x [<ãÉèĭ ã~° = ã~°Å ã~°~° Ñ~° ã~°Éèĭ"ãÄ K«iÜOK« <õ O^œO.

Éèĭ~° «^Õâ O JkèHõ [#ã~°OY°# Hõeæ LO_ » @ "Õ HÍHõ Jk x~°O`« ~°O Z<õ ~°=QÍ LOk. JO^~° = Å# œÑ~°u ã~°O = `«û~°O " Ú`«ÎO [#ã~°OY°<õ HõÄã J^~° WÖĭO\ = \$kú J"ãOKè«hÜ« " yOk. PiúHõ = \$kú 'ê^è~#<õ JkèHõ [<ãÉèĭ XHõ ã ÷u QÆ`« ÄÖ• ÃÑ~° QÆ ^~°Ä# x~°Äkèã~° ÎOk. JkèHõ [<ãÉèĭ Ñ~°e`«O *ĭfÜ« ^œÜ« OÖ• ÃÑ~° QÆ ^~°Ä KãÖĭ ã~°ÄÊOQÍ LOk.

"ÕQÆOQÍ = \$kú K O^~`« #» [<ãÉèĭ 'á†^~ Ñ~°Ü ~@ „# œÑ~°u<õÄÄOQÍ J=ã~°~ãÄ<õ ^Õâ PiúHõ = #~° Ä# qxÜ yOK«=Äã =ã~° ÎOk. ÃÑ~° QÆ `« #» ^~° ã~° ÎÄ , QÆ\$ç~° Ä , q^œ°=ã~°u, P~°ÄQÆ° ã~°^~° áêÜ« Ä HõÄÊ#<õ JkèHõ ã~°C nx=Åĭ ^Õâ OÖ• ĭÑ~°iHõO, x~° ^À°QÆO ã~° = ã~°Å = iO`« fœ=OQÍ = i, J<õ ^œifã~° ÎOk. J='ê÷Ñ~°# 'œHõ~ã°Ä J~°Ú# q^~° ÜK«ÜùH Î, ~°"ãĭ " ÚĭIQÆ "ã\ Ñ~°iã ÷`« Ä=Åĭ, = # = r = # <ã°`« Ä kQÆ*ĭiáÈ`ã~°Ú. Ñ~°e`«OQÍ JÄÊ`ê÷~°Ú JH œÑ~° = }ĭÄ U~°Ê_ »`ã~°Ú. JkèHõ [<ãÉèĭ J=ã~°~ãÄ f~° Ü@<õ HÍ=Äã # œ`ãQ QÆ\$ç~° Ä ÖËHõáÈ=_»O = iÜ«Ú tâ = ~°}ĭÄ ~@ Z<õ ~°=QÍ LO_ » @O [~°O

Éèĩ~° «^Õâ [<âÉèĩ Ü ÚHõ~ XHõ = Oz ÂHõ }O ^Õâ OÖ• = ~°}İÂ ~@
 = ~ÂK _» ÂHõ }O [#<âÂ ~@ KâÖİ x^€#OQÍ` «QÆæ@O. ^Õâ OÖ• [<âÉèĩ
 JkèHõOQÍ=Ù#» [#<âÂ ~@ = iÜ«Ú x^€#OQÍ Jk` «QÆæ@O. Hõ# Hõ, [<â
 ^€xH =Ù#» XHõ= ~°æO [#<âÂ ~@ # ` «yæOK« @ "Ö .

[#<âÂ ~@ ÆÑ"Éèİq` «O KÖÜ«Ú J<ÖHõ JOâßÂ ã"OH j+"i" ÿ#q. JO`
 'ê^è-°OHÍ^ . n~°fHÍÂOÖ• [#<âÂ ~@ # ` «yæOK«QÆÂ æ`â=Ú. JO^ =Âj
 Hõ\$+ KÖÜ« e.

QÆ ~° İOK« HÀ=Âã # JOâßÂ

x = #^Õâ [<âÉèĩ ã"= ã"°õ Ô~O_» HÀ}İÂ HõÂ=Ù.

JkèHõ ã"OM°

= \$kú ~@

x JkèHõ [<âÉèĩ PiúHõ= \$kúx x~Âkèã" İOk. PiúHõ= \$kúx ÂÑiy# *İfÜ«
 JkèHõ [<âÉèĩ =Âj ÆÑ"[Â ` «Âã"iP^€Ü« ÂÖ• ÂÑ~° QÆ ^-Â, *İfÜ
 Hõ<â" ` «õ"=QÍ L#"k.

x JkèHõ [#ã"OY° [<âÉèĩ= \$kú ~@ j =Âj á†^ Ñ"Ü ~@ ^ |tuO@ Ok.
 ĵÑ^iHõO, x~°Hõ ~ã"° « =O\ ã"= ã"°Â fOE= ~° Ñ"O ^€Â ã" Î<â"

âê~îâ°Oâ ÆÑ"â "Â 39.3

D ÆH Ok "â\ Ö• ` «Ñ"C / XÑ"CA# QÆ îİOK«O_ç.

1. Éèĩ~° «^Õâ OÖ• "ÖQÆOQÍ ÂÑ~° QÆ ` « #» [<âÉèĩ =Âj Æâßq õ Â ã"
 KÖã" İOk.

2. JkèHõ [<âÉèĩ= \$kú ~@ =Âj = #^Õâ OÖ• ` «Âã"iP^€Ü« ÂÖ• ÂÑ~° QÆ
 Hõ<â" ` «õ"=QÍ =ÜOk.

3. [#<âÂ ~@ # ` «yæOK« @ ^€~â = #O [<âÉèĩ= \$kú ~@ ÂÑ~° QÆ ^

4. = #^Õâ OÖ• JkèHõ [#ã"OY° = iÜ«Ú ^€x = \$kú ~@ Â 'á†^ Ñ"Ü ~@ „,

39.6 [<âÉèĩ ã"= ã"° Ñ"iêê~° = ~âæÂ

= #^Õâ OÖ•x JkèHõ [#ã"OY° = iÜ«Ú ^€x JkèHõ = \$kú ~@ =Âj J<ÖHõ
 JkèHõ = \$kú ~@ # ` «yæOKâÂO>Ë [#<âÂ ~@ # ` «yæOKâe. Wk XHõ~>Ë =

Éèĩ~° «^Õâ O "ÖQÆOQÍ Jaè= \$kú K O^ ` « #» ^Õâ O. Éèĩ~° « ÆÑ"É
 JkèHõ [<âÉèĩ qã"Î~°}# ~@ # JiHõ@ i@õ ÆÑ""Öâ ÂÑ\ İOk. JÑ"Ê\ # O_
 ~@ # ` «yæOK« @õ KÖÑ"\ İOk. Éèĩ~° « ÆÑ"Éèİ ` «"O fã" H #» H x" K«~

- i) $\text{œŃ}''[\text{Å}\# \text{ L}^{\circ}\text{Ō}\hat{\text{I}}[\text{Ń}''\sim^{\circ}\text{ã}''\hat{\text{I}}\text{qq}^{\wedge}\text{è}-\sim^{\circ}\text{HÍ}\ddot{\text{O}}\cdot\# \text{œá}\text{È}^{\circ}\text{â}\hat{\text{U}}\text{Ç}''\ddot{\text{I}}\text{HÍ}\text{Å}\# \text{Hœ}\text{Ê}\text{ã}''\hat{\text{I}}\text{œŃ}''\ddot{\text{U}}\text{«}^{\circ}\text{«}^{\circ}\text{O}\# \text{œŃ}''\text{É}\text{è}\hat{\text{I}}^{\circ}\text{«}^{\circ}\text{O}\text{H}\#^{\circ}\text{ê}\text{y}\text{ã}''\hat{\text{I}}\text{Ok}.$ $\langle\text{õ} @ \text{O}|\text{x}\ddot{\text{U}}\text{«} \text{Oœ}^{\circ}\text{«}^{\circ}\rangle \text{H}$
 $= \text{i}\ddot{\text{U}}\text{«}\hat{\text{U}}\text{á}\text{ê}\sim\hat{\text{I}}\text{â}^{\circ}\text{Oâ} \text{O}\ddot{\text{O}}\cdot^{\circ}[\text{<}\text{â}\text{É}\text{è}\hat{\text{I}}\text{q}^{\wedge}\text{—}^{\circ}\text{,}\# \text{KŌ}\sim^{\circ}\hat{\text{U}}@ \text{O}^{\wedge}\text{€}^{\circ}\sim\text{â} \text{œŃ}''[\text{Å}\ddot{\text{O}}\cdot\text{Hœ}\text{æ}\text{ã}''\hat{\text{I}}\text{Ok}.$
- ii) $\text{Ń}''@ \hat{\text{i}}\}, = \text{O}_\text{—}\text{»}\text{Å}^{\circ}\text{'ê}\div\sim\hat{\text{U}}, \text{œQ}\hat{\text{I}}\text{g} \} \text{œá}\text{ê}\text{O}^{\circ}\text{â}\text{Å}\ddot{\text{O}}\cdot\langle\text{õ} @ \text{O}|\text{x}\ddot{\text{U}}\text{«} \text{Oœ}^{\circ}\text{«}^{\circ}\rangle$
 $\text{U}\sim\text{â}\text{Ê}@ \text{KŌ}\ddot{\text{U}}\text{«} @ \text{O}.$ $\text{nx}=\text{Å}\hat{\text{i}} \text{Jq} \text{œŃ}''[\text{Å}\ddot{\text{O}}\cdot\langle\text{õ} @ \text{O}|\text{x}\ddot{\text{U}}\text{«} \text{Oœ}^{\circ}\text{«}^{\circ}\rangle \text{F}$
 $\text{g}\text{Å}\text{Q}\text{Æ}^{\circ}\text{«}^{\circ}\text{Ok}.$ $\text{Jq} \text{P}\sim\text{À}\text{Q}\text{Æ}^{\circ}\text{ } \text{¿}\text{ã}=\text{Å}\# \text{JOkã}''\hat{\text{I}} \text{P}\sim\text{À}\text{Q}\text{Æ}^{\circ}\text{Ń}''\hat{\text{i}}\sim^{\circ}\text{Hõ} \} \text{Kœ}$
 $\text{Q}\text{Æ}\sim^{\circ}\text{†}\hat{\text{U}}\text{x}\sim\text{À}^{\wedge}\text{è}-\text{Hõ}^{\circ}\text{'ê}^{\wedge}\text{è}-\#=\text{Ú}\text{Å}\# \text{Ń}''\text{OŃ} \} \text{©KŌ}'\text{ê}\hat{\text{I}}\sim\hat{\text{U}}.$
- iii) $\text{Ń}''\hat{\text{U}}\sim^{\circ} +^{\circ}\mu\text{Å}\langle\text{õ} \text{Hõhã}''\text{q}^{\circ}\text{â}\text{Ç}''\hat{\text{I}}=\ddot{\text{U}}\text{«} \text{ã}''\hat{\text{U}}21 \text{ã}''\text{OII}\text{Å} \text{QÍ}, \text{œã}\cdot\hat{\text{I}}\text{Å}\langle\text{õ} 18 \text{â}$
- iv) $[\#<\text{â}\text{Å} \sim @ \hat{\text{i}}^{\circ}\text{«}^{\circ}\text{y}\text{æ}\text{OŃ}''\hat{\text{U}}\langle\text{õ} \text{qq}^{\wedge}\text{è}-\text{Q}\text{Æ}\sim^{\circ}\text{†}\hat{\text{U}}\text{x}\sim\text{À}^{\wedge}\text{è}-\text{HÍ}\text{Å}, \text{Ń}''^{\wedge}\sim\hat{\text{U}}^{\circ}\text{«}^{\circ}\text{Å}\#$
 $\text{Q}\text{Æ}\sim^{\circ}\text{†}\hat{\text{U}}\text{x}\sim\text{À}^{\wedge}\text{è}-\text{Hõ} = \text{O}^{\wedge}\sim\text{Å}^{\circ} \text{ " } \text{ÚII}\# \text{q} \text{ã}''\text{Ń}''\hat{\text{i}}\ddot{\text{U}} \text{KŌ}\ddot{\text{U}}\text{«} @ \text{O}$
- v) $\text{œŃ}''[\text{Å}\langle\text{õ} \langle\text{õ} @ \text{O}|\text{x}\ddot{\text{U}}\text{«} \text{Oœ}^{\circ}\text{«}^{\circ}\rangle \text{á}\text{ê}\backslash \text{OKŌ}\text{O}^{\wedge}\sim\langle\text{õ} \text{QÍ}^{\circ}\text{â}\hat{\text{i}}\text{H} \text{J}<\ddot{\text{O}}\text{Hõ} \sim^{\circ}\text{H}$
 $\text{œá}\text{È}^{\circ}\text{â}\hat{\text{U}}\text{Ç}''\ddot{\text{I}}\text{HÍ}\text{Å}\# \text{Hœ}\text{Ê}\text{OK}\text{«} @.$
- vi) $\text{qq}^{\wedge}\text{è}-\text{tHõ} \} \hat{\text{I}} \text{ã}''\text{Oã}''\div\text{Å}\langle\text{õ} < \text{ÅH} \text{eÊ} \langle\text{õ} @ \text{O}|\text{x}\ddot{\text{U}}\text{«} \text{Oœ}^{\circ}\text{«}^{\circ}\rangle \text{ã} \text{†}\text{OkH}$
 $\text{Ń}''\hat{\text{i}}\text{â}\cdot^{\wedge}\text{è}-<\text{â} \text{HOœ}^{\wedge}\text{€}\text{Å}\# \text{U}\sim\text{â}\text{Ê}@ \text{KŌ}\ddot{\text{U}}\text{«}\hat{\text{U}}@ \text{O}$
- vii) $\text{œã}\cdot\hat{\text{I}}\text{q}^{\wedge}\text{€}^{\circ}=\text{HÍ}\text{â}\text{ß}\text{Å}\# \text{ÃŃ}\text{O}\text{á}\text{†}\text{OkOK}\text{«}_\text{—}\text{»}\text{O}^{\circ}\text{â}\hat{\text{i}}\text{H}^{\circ}\text{«}^{\circ}\text{y}\# \text{Lá}\text{ê}\text{kè}\text{Hõ}\text{Å}\text{Ê}\# \text{H}$
 $\text{œŃ}''\text{«}^{\circ}\text{Hõ} \text{œŃ}''\text{É}\text{è}\hat{\text{I}}=\text{O} \text{LO}@ \text{Ok}.$ $\text{q}^{\wedge}\text{€}^{\circ}=\text{O}^{\circ}\text{«}^{\circ}\sim\text{â}\ddot{\text{O}}\cdot\# = \text{Ç} \text{I}\text{à} \text{Å}\langle\text{õ}$
 $\text{«}^{\circ}\langle\text{õ} \text{—}=\text{QÍ} \text{LO}_\text{—}\text{»} @ \text{O} \text{Q}\text{Æ}=\text{xOK}\text{«}=\text{K}\text{«} \hat{\text{U}}.$
- viii) $\langle\text{õ} @ \text{O}|\text{ã}''\text{O} \text{H} = \text{HÍ}\sim^{\circ}\text{œHõ}=\text{Å}\ddot{\text{O}}\cdot\text{É}\text{è}\hat{\text{I}}\text{Q}\text{Æ}'\text{ê}^{\circ}=\text{Ú}\text{Å} \text{QÍ} \text{œŃ}''[\text{Å}, \text{œ}$
 $\text{ã}''\text{Oã}''\div\ddot{\text{O}}\cdot\# \text{Ń}''\text{OK}\text{â}\sim\text{Ú}\text{f}\text{Å}\# \text{KŌ}\sim^{\circ}\hat{\text{U}}@ \text{O}.$ $\langle\text{õ} @ \text{O}|\text{œŃ}''\} \text{I}\text{oHÍ} \text{HÍ}\sim^{\circ}\text{œ}$
 $\text{qq}^{\wedge}\text{è}-\text{HÍ}\sim^{\circ}\text{œHõ}=\text{Å}\# \sim\text{â}\text{œ}+''\hat{\text{i}} \text{œŃ}''\text{É}\text{è}\hat{\text{I}}^{\circ}\text{«}^{\circ}\text{O} <\ddot{\text{O}}\sim^{\circ} \text{QÍ} \ddot{\text{O}}\text{Ê}^{\wedge}\text{€} \text{HOœ}^{\wedge}\sim\text{â}\text{œ}\text{è}\text{è}\hat{\text{I}}\text{Å} = \text{^è}-^{\circ} * <\text{â}\text{É}\text{è}\hat{\text{I}} \text{qã}''\hat{\text{I}}\sim^{\circ}\} \ddot{\text{O}}\cdot \text{J}<\ddot{\text{O}}\text{Hõ} =^{\circ}\text{â}^{\circ}\text{ê}\text{Å} =\text{Ú}\#^{\circ}\text{O}^{\wedge}=\text{Å}\hat{\text{i}} \text{XH}^{\circ}\text{Hõ}$
 $\text{J}=\text{Å} \text{J}=\text{ã}''\sim^{\circ}\text{O}=\text{Ú}\text{Ok}.$

$\text{Q}\text{Æ} \sim^{\circ} \hat{\text{I}}\text{OK}\text{«} \text{H}\text{Å}=\text{Å}\text{ã} \# \text{J}\text{O}\text{â}\text{ß}\text{Å}$

- x $\text{"}\ddot{\text{O}}\text{Q}\text{Æ}\text{O}\text{QÍ} \text{ÃŃ}\sim^{\circ} \text{Q}\text{Æ}^{\circ}\text{«}^{\circ}\#^{\circ}[\text{<}\text{â}\text{É}\text{è}\hat{\text{I}}=\text{\$kú}\text{x} \text{JiHõ}@ \hat{\text{i}}_\text{—}\text{®}\text{xH} \text{œŃ}''\text{É}\text{è}\hat{\text{I}}^{\circ}\text{«}^{\circ}$
- x $\text{œŃ}''[\text{Å}\ddot{\text{O}}\cdot\text{z}\#^{\circ}\langle\text{õ} @ \text{O}|\text{É}\text{è}\hat{\text{I}}=\# \text{Ń}''@ \hat{\text{i}}^{\circ}\text{«}^{\circ}\text{y}\# \text{J}=\text{QÍ}\text{Ç}''\hat{\text{I}}\# \text{Hœ}\text{Ê}\text{ã}''\hat{\text{I}}^{\circ}\text{^€}\text{xx}$
 $\text{«}^{\circ}\text{y}\# \text{œá}\text{È}^{\circ}\text{â}\hat{\text{U}}\text{Ç}''\text{x}''\text{, L}^{\circ}\text{Ō}\hat{\text{I}}^{\circ}\text{I}\text{x}''\text{Hœ}\text{æ}\text{ã}''\hat{\text{I}}\#^{\circ}\text{k}.$
- x $\text{qq}^{\wedge}\text{è}-\langle\text{õ} @ \text{O}|\text{x}\ddot{\text{U}}\text{«} \text{Oœ}^{\circ}\text{«}^{\circ}\text{HÍ}\sim^{\circ}\text{œHõ}=\text{Å}\# \text{x}\sim^{\circ}\text{«}^{\circ}\text{Ç} \text{I}\text{ã}''\hat{\text{I}} \text{Ń}''\text{Å} \text{P}\sim\text{À}\text{Q}\text{Æ}$
- x $\text{œã}\cdot\hat{\text{I}} = \text{i}\ddot{\text{U}}\text{«}\hat{\text{U}} \text{Ń}''\hat{\text{U}}\sim^{\circ} +^{\circ}\mu\text{Å} \text{Hõhã}''\text{q}^{\circ}\text{â}\text{Ç}'' =\ddot{\text{U}}\text{«} \text{ã}''\hat{\text{U}}\# \text{ÃŃ}\text{OK}\text{«}^{\circ}\text{«}^{\circ}\#^{\circ}\text{k}$

áê~îâ°Oâ OEÑ"â "Â 39.4

1. qq^è- ‹õ @ O| ŒÑ~"}lōHÍ x~°“Ç”İ}‹õ HÍ=Åã # PiúHõ =#~° Å# ~åŒ+”ì
2. Hõhã” q"åÇ”İ=Ü« ã” û# Ñ”Ü~° +”µÅ‹õ 21 QÍ# , = iÜ«Ú Œã•ÎÅ‹õ 18 ã”
3. ŒÉáÈ`åûÇ”İHÍÅ , x~°`åûÇ”İHÍÅ ^€“~å ŒÑ~”[Å z#” ‹õ @ O| Éèİ=##
H #’êQÆ`« <å”~Ú.

1. Éèl~° «^Ôâ [Éèl Ü ÚHõ~ eOQÆx+~ÊuÎ = iÜ«Ú =Ü x+~Ê` « ÎÂ# q=iO
2. JkèHõ [Éèl =Âj HõÂ QÆ ã~ = ã~°Â# ` Â Ê=Ú.
3. JkèHõ [Éèl = \$kú ~@ =Â# HõÂ æ ã~ = ã~°Â x"â~°}õ `«y# ã~ K«#Â
4. 1951 ã~OII# O_ç [#<aÂ ~@ ^èÀ~°} Â# q=iOÑ~Ù=Ú.
5. "JkèHõ [#<aÂ ~@ JkèHõ [Éèl=\$kú ~@ õ =,Â Hí~°}O,,,, L^€Ç~°}
6. 'JHõ ~ã~°`â ~@ „ JO>Ë Uq \ ? JHõ ~ã~°`Â , x~°Hõ ~ã~°`Â ã~°OY°O
7. 'P^è€i` « ~@ „ J#QÍ<Õq ?
8. JkèHõ [Éèl ÃÑ~° QÆ ^—Â# JiHõ@ì=Âã # P=â °Hõ`«# q=iOÑ~Ù=

1. i) 929 ii) $\tilde{N}^{\sim} \tilde{U}^{\sim} + \mu \tilde{A} , \tilde{Q} \tilde{Z} \tilde{A} =$ iv) 75 v) $\tilde{A} \tilde{N}^{\sim} \tilde{Q} \tilde{A} \#$
vi) $\tilde{A} \tilde{N}^{\sim} \tilde{Q} \tilde{A} \# \ll \tilde{Q} \tilde{k} 7$ viii) $\# \ll \tilde{O}^{\sim} =$ ix) $Z \tilde{O}^{\sim} =$

2. i) `«Ñ"ÙÊ ii) `«Ñ"ÙÊ iii) XÑ"ÙÊ iv) XÑ"C v) `«Ñ"C
vi) `«Ñ"C vii) XÑ"C

39.3 áê~îâ°Oâ œÑ"â "Å

1. i) `«Ñ"ÙÊ ii) XÑ"ÙÊ iii) XÑ"ÙÊ iv) `«Ñ"C

39.4 áê~îâ°Oâ œÑ"â "Å

1. i) `«Ñ"ÙÊ ii) XÑ"ÙÊ iii) XÑ"ÙÊ

áê~îâ°O`«~° œÑ"â "Å

1. ÃãHõ <£ 39.4 K«^=O_ç.
2. ÃãHõ <£ 39.5 K«^=O_ç.
3. ÃãHõ <£ 39.6 K«^=O_ç.
4. ÃãHõ <£ 39.3 K«=O_ç.
5. ÃãHõ <£ 39.3 K«^=O_ç.
6. ÃãHõ <£ 39.4 K«^=O_ç.
7. ÃãHõ <£ 39.4 K«^=O_ç.
8. ÃãHõ <£ 39.5 K«^=O_ç.