

জাতীয় শিক্ষাক্রম ২০১২

গণিত

ষষ্ঠি-দশম শ্রেণি

উচ্চতর গণিত

নবম-দশম শ্রেণি



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড

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জাতীয় শিক্ষাপ্রম্ব ২০১২

উন্নয়ন ও অঙ্গবিধান



জাতীয় শিক্ষাপ্রম্ব ও পাঠ্যদৃষ্টক বোর্ড

৬৯-৭০ মতিঝিল বাণিজ্যিক এলাকা, ঢাকা ১০০০।

আর্থিক ও কারিগরি সহযোগিতা



সেকেন্ডারি এডুকেশন সেক্টর ডেভেলপমেন্ট প্রজেক্ট

মাধ্যমিক ও উচ্চশিক্ষা অধিদপ্তর, শিক্ষাভ্যন, ঢাকা ১০০০।

প্রকাশকাল ডিসেম্বর ২০১২

মুদ্রণ : নাইন্দ এড. এন্ড প্রিন্টিং, ১৯৩/১৯৪ নয়াপট্টন, মতিঝিল, ঢাকা- ১০০০

জাতীয় শিক্ষাপ্রম্ব ২০১২

gLeÜ

W b e`tj i A½Kvi c½Y Ges 2021 m½tj i gta" evsj v½ k½K GK½U ga"g Av½qi t`tk ci½YZ Kivi c½vb Dciq `y Rbk½Z `Zvi Kiv| wkyvi gva"tg Zv m½e weavq mi Kvi gvb½m½b½k½y½ i½b½Z Kivi j t½y½ me½ntj i½b½KU M½Y½h½M½ GK h½m½Kvi x½k½y½b½Z c½qb K½i | RvZiq wky½b½Z 2010 ev½evq½bi me½ak , i½z½c½c½ t½yc n½Q G wky½b½Z Ab½n½ti t`tki wky½e½vi , YMZ ci½e½Z½ m½ab | G t½y½Z RvZiq wky½ug | ci½c½K te½W½c½P½j Z wky½ug Db½t½bi D½t½W½ M½Y K½i |

wky½ug Db½b GK½U Pj gvb c½uqvi i½o½q `k½b | Ar`k½B½Z½n½m | ms½Z½, mgKij xb Rxetbi P½m½v, weÁvb | c½b½Z½w½ t½y½t Ávb | `yZ½AR½bi av½ew½nK½v eR½q i½L½Z wky½ug ci½gvR½ | Db½b K½i wky½e½v½q M½Z½ m½Av½ K½t½Z½ n½q½ gva"tgK½ t½i i½c½p½j Z wky½ug 1995 m½tj c½x½Z½ n½q½ G `xN½mgtq RvZiq Rxetbi we½fb½t½y½t½ Ges Ávb½weÁvb½bi RM½Z e½v½C½ ci½e½Z½ m½a½Z½ n½j | wky½ug Db½b bv n½q½ Gi c½Z½d½j½b Avg½t½i wky½e½v½q Avg½t½i wky½ug Db½b mg½t½q½i `we |

RvZiq wky½b½Z 2010 Gi w½f½E½Z wky½ut½gi i½ct½i Lv c½qb Kiv n½q½ wky½ug i½ct½i Lv Pov½K½t½Yi j t½y½ t`tki c½Z½h½v½ wky½e½ , ej½Rxet½i Ab½v½ DcK½t½f½M½t½i mg½t½q½ GK½U RvZiq Kg½v½j vi Av½q½Rb Kiv n½q½ G Kg½v½j q½c½B½ g½Z½g½Z½ i½mc½w½t½ki Av½t½K½ Ges c½q½R½b½q½ m½t½kv½b½ m½t½c½t½y½ RvZiq wky½ug mg½t½q½ K½g½U½ (Gb½m½m½m½) K½Z½ wky½ug i½ct½i Lv Ab½g½w½Z i½ct½i Lv Ab½g½w½Z wky½ug Db½b c½uqvi we½fb½a½c Ab½n½Y K½i | ó t`tki Aóg tk½Yi 17½U½ Ges beg | `kg tk½Yi 27½U½ we½t½q½i wky½ug Db½b Kiv n½q½t½q½ | wky½ug Db½t½bi Rb½ we½q½f½E½K½ K½g½U½ M½b½ Kiv n½q½ | G m½K½ K½g½U½Z½ we½t½k½A½, wky½K½ c½k½y½K½, tk½Y½k½y½K½ | wky½ug we½t½k½A½MY K½r½ K½i½t½q½b½ |

m½p½u½Z½K½ K½t½j i A½b½K½ , i½z½c½Y½e½l½q½ | we½q½e½` , thgb: Z_ | th½M½h½M½ c½b½Z½ , Kg½I½ Rxebg½L½ wky½v½ , K½v½q½i½ wky½v½ , Rj ev½q½ci½e½Z½ | Avg½t½i Ki½Y½q½ , eqtm½ÜK½j | c½Rbb½ -`- , b½v½x Db½b b½m½Z½g½j½v½ B½w½ wky½u½t½g½ A½f½P½ Kiv Kiv n½q½t½q½ | ci½g½w½R½Z½ wky½u½t½g½ t½Z½b½i gta" avi Y Kiv n½q½t½q½ gn½b g½z½h½x½i t½c½Y½v½ , Ar`k½I½ gj½t½eva | wky½L½- t½k½L½t½b½v½ Kvh½ug | av½ew½nK½ gj½t½b½i t½y½t½i t½k½t½j½i ci½e½Z½ Av½b½ n½q½t½q½ | gj½- Kiv ci½e½Z½K½t½i t½k½L½i Dci t½Rvi t`l½q½ n½q½t½q½ | m½Rb½k½j½ Zv weK½t½ki ci½k½c½w½k½ wky½-`- i½b½Z½K½ gj½t½eva , m½Z½v½ , t`k½t½j½i t½b½Z½t½j½ , y½v½j½ AR½bi Dci , i½z½t½i½c½ Kiv n½q½t½q½ | m½t½c½w½i G `t½i i½ wky½t½K½ Rxetbi c½ek½ Øvi w½m½t½e we½p½b½ K½i K½g½R½et½b½ c½ek½ c½q½R½b½q½ th½M½Z½v½ AR½bi Dc½t½h½M½ K½i wky½ug Db½t½bi c½v½m½ P½j½ v½b½ n½q½t½q½ |

t½t½K½Ü½i Gw½t½K½b½ t½m½i t½w½f½j½ c½g½U½ c½R½± wky½ug Db½t½b A½w½_½K½ | K½v½m½ m½t½h½M½Z½v½ c½v½b½ Kiv q½c½K½ K½z½y½t½K½ ab½e½` Rvbw½Ø½ | wky½ug Db½t½b we½q½f½E½K½ wky½ug Db½b K½g½U½ Qov½l½ Gb½m½m½m½ , c½dk½b½j½ K½g½U½ , t½UK½b½K½j½ K½g½U½ , t½f½u½s½ K½g½U½ Ges m½w½e½K½ mg½t½q½ K½g½U½b½j½ mf½t½e½ K½r½ K½t½t½q½b½ | G m½K½ K½g½U½i m½K½ m`m½t½K½ Rvbw½B½ Av½s½i½K½ K½Z½Á½v½ |

Avk½ Kiv½Q , Db½bK½Z½ wky½ug ev½evq½bi gva"tg t`tki Ávb½ , weÁvb½ | c½b½Z½t½Z½ `y , GKB½t½b½Z½K½ gj½t½eva , RbM½Yi c½Z½ k½k½k½j½ | `vqe½x Ges g½z½h½x½i t½P½b½q½ D½t½K½ GK½ b½Z½b½ c½R½b½M½t½ Dv½t½e½ | G b½Z½b½ c½R½b½t`tki Db½b½ | AM½m½Z½t½Z½ Zvrch½e½Y½A½e½v½b½ i½L½t½Z½ m½y½g n½t½e½t½j½ Av½v½ Kiv½Q½ |

c½d½m½i½ t½g½t½t½v½-`-b½ K½g½v½j½ D½t½b½

t½P½q½i½ g½v½b½

RvZiq wky½ug | ci½c½K½ te½W½c½P½j½

μg	weIqe ^{-'}	cɒv bɒt
1. g̬teÜ		i
2. mPbv		1
3. ɯk̪y̪ɪŋg Dbaqtbı tħšw ³ KZv		1
4. ɯk̪y̪ɪŋg Dbaqtb AbnZ g̬tWj		2
5. ɯk̪y̪ɪŋg Dbaqtb AbnZ c̪Kt̪v		2
6. RvZaq ɯk̪y̪ɪŋg 2012 Gi ̦emkó		7
7. ɯk̪y̪ɪt̪gi iʃt̪iLv		7
8. ɯLb t̪KLvt̪v c̪xvZ I t̪Kskj		10
9. ɯk̪y̪ɪr̪gj vqb		15
10. ɯk̪y̪ɪŋg Dbaqtb msikó Kwgħu		19
11. MwZ ɯk̪y̪ɪŋg		23
12. D'PZi MwZ ɯk̪y̪ɪŋg		115-140

1. mPbw

- 1.1 ht_wPZ ceewi Kí bv clyqb Ges Gi mþz ev-levqtbí Dci wbfP Kti thftKtibv
Kihþutgi mdj Zv| wktv Kihþutgi Gifc ceccii Kí bvB wktvþug| wktvþug i
AmM, ceyZv, mgv_®, AwfÁZv I wklb Pwn`vi mft_ Ges mgvR, t`k I
AvšRwZK cwiwZ wetePbvq ti+tl clyZ nq wbt_ wktvþug| tK, tKb, Kx,
wktvþe, Kvi mnþhwMZq, Kx w tq, tKv_qq, KZ mgq ati wklte Ges hv wklj
wktvþe Zv hvPvB Kiv hvté Gme cliké DÉi wktvþug _ftK| wktv_i j¶,.
Dfik, wklbdj, welqe~, wklb-tklvþbv Kihþug I gj vqb wbt_ Rbv-GmeB
wktvþugti clyZciv~ welq| wktvþugti wfwEþZB clyZ nq cwcyK I Abvb
wklb-tklvþbv mgvM Ges cwi Pwj Z nq wklb-tklvþbv Kihþug| Gme clyqtbi
wbt_ RbvI _ftK wktvþugti| wktvþugtiK wktv_i Kihþug ev-levqtbí bxj -bKkv ej v
ntq _ftK |

1.2 wktvþug GKwU Pj gib clyq| G clyqvg avivewmK cwi exftYi gvaftg Pj gib
wktvþugti mej Zv- yþZv I DcthwMzv wbt_ Yq Kiv nq| mgtqi mft_ mgvRi
cwi eZB NtUQ, ZvQrov Ávb-wéÁvb I cly3i ~Z cwi eZB nþQ| Gmtei dtj
wklb Pwn`vi cwi eZZ nþQ| G Rb clyqRbxq cwi grB| bevqtbí gvaftg
wktvþug hþMcthwMx ivLv Avek`K| Avevi Ggb mgq Avftm hLb clyqtbí
wktvþug cwi grB Kti mgtqi Pwn`v cty mþe nq bv, ZLb bZb wktvþug clyqb
KiþZ nq| RiZqg wktvþwZ er-levqtbí Rb`l bZb wktvþug Dbqg KiþZ nq| G
cwi tclyqZ RiZqg wktvþug 2012 clyqtbi c`tþc MþY Kiv ntqQ|

2. wktvþug Dbaþbi thsKZv

2.1 gvaftgK -tii eZqib wktvþug 1995 mft_ clyZ| Gici xNmgq RvZq|
AvšRwZK cwi gEtj mgvRK, mswZK, A%wZK I iRwZK newfbætþft
wetkl Kti Ávb-wéÁvb, Z_ I thwMcthwM cly3i tþft evcK cwi eZB NtUQ|
cwi eZbi mft_ mft_ wktv_~ i wklb-Pwn`v ~Z cwi eZZ nþQ| G Pwn`v wbtvq
wktvK hþMcthwMx Kivi Rb clyqtbi Dbaþ Acwi nhþtq wotqQ|

2.2 gvaftgK -tii clyqZ wktvþugti Dci gvaftgK -tii wktvþug gj vqb I
Pwn`v wbiþcYö kxLR cwi Pwj Z MtelYi dj vdþj wktvþugti AtþK yþZv,
AmwZ I mgm v wktvþug nþtqQ| G wktvþug AvZgivq ZEj I Z_ msewj Z hv

¶K ḡt̄ Ki‡Z DrmwnZ K‡i | c¶v̄ Z ¶kÿv̄t̄g AbjñÜlb, mgmñv
mgwnt̄bi thM'Zv ARØ, nv‡Z-Kj tg KvR K‡i tkLvi Ges mRbkj | D™v̄ebx
¶gZv weKu‡ki mjhwm mxwgZ | ¶¶v̄ i b̄wZK | gibweK Yveij i weKu‡ki
mjhwmI Kg | c¶q̄Rbxq weIq Ges weIqe' thgb- Z_ | thMjhwm c¶v̄
Rj evqj cwieZb | KiYq, eqtmÜKyj | cRbb "¶", Rjy wb wbivcÈv
BZ'w i cÖDzj b LpB mxwgZ | ZvQov guZfvv evsj v Ges AüSR@ZK fvlv
Bst̄iR ¶klb-tkLvt̄bi t¶¶t̄ tkvbv, ej v, cov, tj Lv Gme ¶¶Zv ¶kLt̄bi Rb
¶kÿv̄t̄g iazj c¶v̄b Kiv ntj | ev-évgjt̄b G, tj v h_vh_, iazj cvq wb|
¶kÿv̄t̄g itK KgjLx Kivi tÿt̄ ¶kÿv̄t̄gi Ae`wb mtšlRbK bq | berqbKZ
¶¶v̄t̄gi Gme mxgje×Zv KwUjt̄q Dwv c¶Pov tbI qv ntq‡Q |

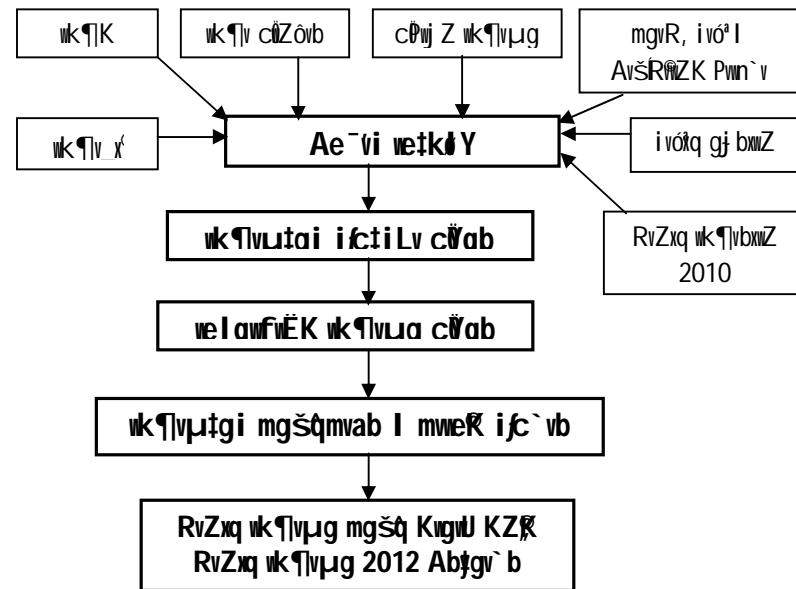
3. የክፍያ ፊዴራል ስምምነት ተረጋግጧል

DtⁱK⁻WLbdj g[#]Wj (Objective Model) Ab^jmⁱ RvZxq WL[¶]V[¶]g 2012 Db^bb
 Kiv ntqtQ| G^UK dj w^fEK g[#]Wj | (Product Model) ej v nq| G g[#]Wj Ab^jmⁱ
 WL[¶]v i j^T | m^avⁱY DtⁱK⁻ba^fY K^ti DtⁱK⁻ AR[®] Dc^thMx w^el q |
 w^el q w^fEK DtⁱK⁻ba^fY Kiv nq| w^el q w^fEK DtⁱK⁻ AR[®]bi Rb⁻ w^fEK
 c^ošK WLbdj ba^fY Kiv nq| c^ošK WLbdj tK tk^M w^fEK WLbdj w^efvRb
 Kiv ntqtQ| tk^Mw^fEK WLbdj tK ej^xE[¶]q, Av^teMq | gt^bvt^cW^R-G w^Zb fv^tM
 w^efvRb Kiv ntqtQ| tk^Mw^fEK WLbdj tK w^fE K^ti tk^M Dc^thMx w^el q e⁻,
 WLb-tKLu^bv Kvh[¶]g | gj vqb tK^Skj mn hveZxq WL[¶]v Kvh[¶]g ba^fY Kiv nq|
 AvR^tKi w^etk^eu f⁻ k DtⁱK⁻w^fEK g[#]Wj Ab^jmⁱY WL[¶]V[¶]g Db^bb K^ti _^vK|

4. የክፍለዎች ፊዴራል ስርዓት በአማርኛ ማረጋገጫ

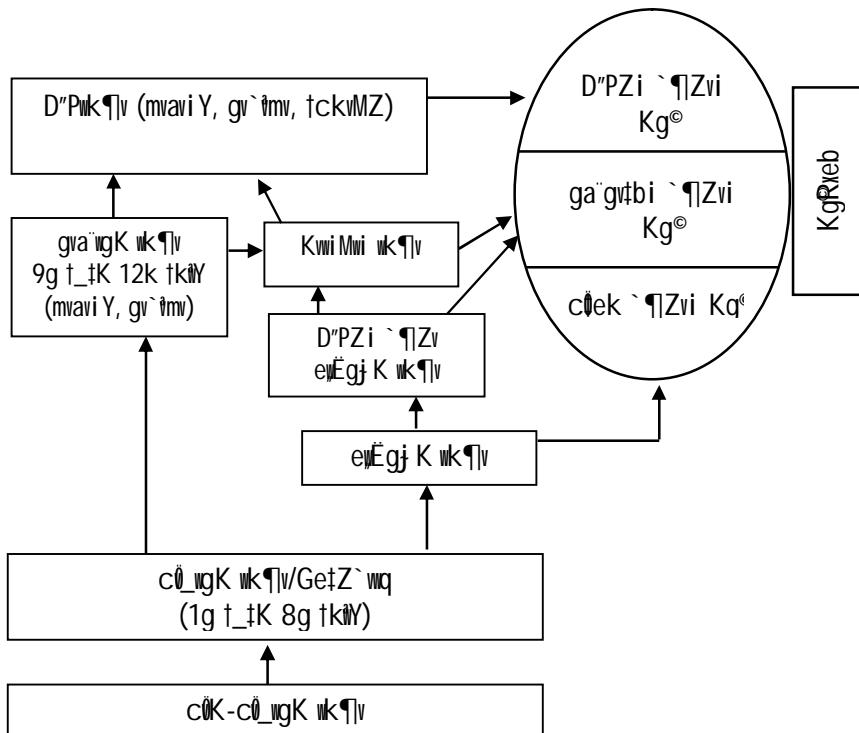
tm‡KÜwi GWJKkb tm‡i tWtfj ctgU c|R‡ (GmBGmWic) Gi KwiMwi I Aw_R
mnvqZvq Ges RvZxq ik¶vug I cWcyK teW©(GbvwUie) Gi mweR ZEyearfb
GmBGmWic Gi ik¶vug wetkIAe, GbvwUie-Gi ik¶vug kvLvi KgRZfe,
Ges wePZ RvZxq ch‡qi ik¶vug wetkIA, weIq wetkIA, ik¶vne, ik¶K
ik¶vq wetkIA I AwfA tkimik¶tKi mgštq MwVZ weifbœKigijU ik¶vug Dbqfb
K‡ib| ik¶vug Dbqfb tbZZi I wb‡Rbv cIvb K‡ib GmBGmWic RvZxq
ik¶vug cingkr| ik¶vug Dbqfb cIvqvi weifbœch‡q m¤úw Z K‡Ri ms¶¶B
weeIY Dc`lcb Kivntjv:

ՀԵՂԻ ԱՐՏԻ ԽՎՃԱԿ ԱԿՊԱՄԱԳ ԾԱՌԱ



- 4.1 Aēvi wetkIY
- 4.1.1 gvāigK -t̄ i c̄b̄j Z ik̄l̄yug ch̄t̄j vPbv
GmBGmWici ik̄l̄yug wetkI Aē ` 2008 myt̄j gvāigK -t̄ i (ibḡegvāigK | gvāigK) ik̄l̄yug ch̄t̄j vPbv K̄t̄ib | th̄īzK ch̄t̄j vPbv gvāig ik̄l̄yugti īāU-wēPv̄Z Ges ik̄l̄y_ f̄ i ik̄l̄b Pwn`v c̄t̄Y ik̄l̄yugti Dct̄hwMzv h̄PvB Kiv nq | GB ch̄t̄j vPbv dj vaj bZb ik̄l̄yug Db̄at̄b wetePbvq ivLv nq |
- 4.1.2 c̄b̄j Z ik̄l̄yugti gj̄ vqb
GmBGmWici ik̄l̄yug wetkI AMY ògvāigK -t̄ i ik̄l̄yug gj̄ vqb | Pwn`v ibīcY mḡyf̄v 2010 kx̄l̄ R Gk̄l̄ M̄t̄l̄ Yv c̄w̄ Pbj bv K̄t̄ib | G mḡyv̄i gvāig ik̄l̄yugti mej | `ȳp̄ w̄K, ev̄-b̄qtb̄i c̄ZeÜKzv | c̄w̄gvR̄bi t̄p̄t̄mḡa Pw̄yZ Ges ik̄l̄y_ f̄ i ik̄l̄b-Pwn`v ibīcY Kiv nq |
- 4.1.3 RvZiq ik̄l̄ybw̄Z 2010
RvZiq ik̄l̄ybw̄Z 2010-G Dt̄j L̄Z ik̄l̄v ms̄v̄s̄ b̄w̄Zmgn wetkI K̄t̄i gvāigK ik̄l̄v m̄āw̄KZ av̄imga ch̄t̄j vPbv K̄t̄i bZb ik̄l̄yug Db̄at̄bi w̄Z Z̄i Kiv nq | ik̄l̄ybw̄Zi w̄f̄Ēt̄ZB c̄b̄j Z m̄kj av̄ivi (m̄avi Y, ḡv̄m̄, Bst̄iR) ik̄l̄t̄K w̄b̄i Ø ch̄q ch̄s̄i mḡišZ | Gk̄l̄x ik̄l̄yugti Av̄l̄ Ziq Aš̄f̄p̄ Kivi c̄t̄P̄c t̄b̄l̄ q̄ nq | G ē-v̄q me aīt̄bi ik̄l̄v c̄Z̄ōb c̄l̄g t̄t̄K Aó̄g t̄k̄M ch̄s̄i GKB ik̄l̄yug Ab̄ynt̄i ik̄l̄v Kvh̄ig c̄w̄ Pwj Z nte |
- 4.1.4 Av̄SRw̄ZK ch̄t̄qi ik̄l̄yug ch̄t̄j vPbv
mḡm̄v̄w̄qK wetkI ib̄ePZ K̄t̄qKl̄U t̄t̄ki- f̄vi Z, k̄t̄j ¼v, ḡȳj t̄q̄kqv, w̄m̄īv̄ci , At̄-d̄j q̄ (A½īvR), h̄p̄ īvR̄ (A½īvR̄) Ges Kv̄bWwi (A½īvR̄) ik̄l̄yug ch̄t̄j vPbv Kiv nq | Gme t̄t̄ki ik̄l̄v ē-v̄i wetkI K̄t̄i ik̄l̄yugti wetkI w̄Kmgn ch̄t̄j vPbv K̄t̄i ēv̄s̄ t̄t̄ki c̄w̄-w̄Z̄t̄Z Ḡt̄ i Dct̄hwMzv h̄PvB Kiv nq |
- 4.1.5 c̄m̄īK c̄Z̄t̄ēb, c̄ēÜ i ḡZ̄v̄Z ch̄t̄j vPbv
t̄t̄k-w̄t̄t̄k c̄K̄w̄KZ ik̄l̄v m̄āw̄KZ wetkI K̄t̄i ik̄l̄yug w̄l̄qK c̄Z̄t̄ēb, c̄ēÜ i ḡZ̄v̄Z ch̄t̄j vPbv Kiv nq | Ḡt̄j vi ḡt̄ā Dt̄j L̄th̄M̄ K̄t̄qKl̄U nt̄Q- GK̄es̄k K̄z̄v̄xi ik̄l̄v m̄āw̄KZ Av̄SRw̄ZK ik̄l̄v K̄gk̄t̄bi c̄Z̄t̄ēb UNESCO (1996) òLearning: The Treasure Within; O'Neill, Geraldine (2010) 'Programme Design: Overview of Curriculum Models'; Marsh, C.J (1997) 'Perspective Key Concepts for Understanding Curriculum'; Sheehan, John (1986) Curriculum Models: Product versus Process, Smith, P.L (1993) Instructional Design, Macmillan; RvZiq ik̄l̄yug I c̄W̄c̄j̄K teW̄c̄w̄ Pwj Z (2012) ibḡev̄ḡK, gvāigK I D̄Pgv̄āigK ch̄t̄qi ik̄l̄yug, ik̄l̄K c̄k̄P̄Y ik̄l̄yug I c̄W̄c̄j̄t̄K t̄RÜvi ms̄t̄ē b̄k̄j Z̄i ch̄t̄j vPbv kx̄l̄ R c̄Z̄t̄ēb, Rj ev̄-c̄w̄ēZ̄b I `ȳh̄M̄, Z̄gv̄K ibq̄š̄Y, UNICEF (2009) c̄w̄ Pwj Z ØRxēb `ȳZ̄w̄f̄ĒK ik̄l̄v̄
- ZvQvor ēv̄s̄ t̄t̄ki w̄f̄b̄ēc̄K̄i, mīK̄i t̄temi K̄i c̄Z̄ōb Ges ms̄t̄ ik̄l̄yug Aš̄f̄p̄ i Rb̄ 31w̄ c̄Z̄t̄ēb Rḡv̄ t̄q̄ | Gme c̄Z̄t̄ēb ch̄t̄j vPbv K̄t̄i ms̄w̄k̄o w̄l̄q̄ c̄q̄Rbxq c̄m̄īz̄K w̄l̄q̄ē- m̄sth̄R̄bi ē-v̄ t̄b̄l̄ q̄ nq | 31w̄ c̄Z̄t̄ēt̄bi ḡt̄ā Dt̄j L̄th̄M̄ K̄t̄qKl̄U nt̄Q- Rj ev̄y c̄w̄ēZ̄b, Z̄_ c̄m̄ī Bi AwaKvi, Lv̄"-c̄j̄, c̄Rbb t̄t̄", GBPAvBwf-GBWm, wetkI Pwn`v m̄āw̄b̄ēw̄k̄i BZ̄w̄` |
- 4.2 ik̄l̄yugti īc̄t̄i Lv c̄v̄q̄b
Aēvi wetkIY t̄t̄K j̄ Awf̄ÁZv̄ I dj vdt̄j i w̄f̄Ēt̄Z GmBGmWici ik̄l̄yug wetkI Aē ` RvZiq c̄v̄gk̄t̄K i b̄t̄ Rb̄q̄ ik̄l̄yug Db̄at̄bi b̄w̄Zḡj̄v̄ Ges w̄f̄b̄ē ch̄t̄qi ik̄l̄v̄ Kvh̄ig mḡiBkv̄it̄ i ik̄l̄v̄ AM̄hi Y c̄v̄n̄ iP̄t̄ ibāf̄ Y K̄t̄ib | Gm̄tei Dci w̄f̄Ēt̄ K̄t̄i ik̄l̄yugti īc̄t̄i Lv c̄v̄q̄b Kiv nq |
- 4.2.1 ik̄l̄yug Db̄at̄bi b̄w̄Zḡj̄v̄
- gn̄ib̄ f̄v̄l̄ Av̄f̄j̄b̄ I ḡr̄h̄t̄x̄i t̄PZbv Ges Am̄v̄c̄ōw̄qK gj̄ t̄et̄ai w̄f̄Ēt̄Z t̄t̄k̄c̄j̄ w̄K̄t̄ki m̄th̄M̄ m̄j̄o
 - b̄w̄ZKzv̄ I ḡb̄īēK gj̄ t̄eva w̄K̄t̄ki Dci , īz̄; c̄v̄b
 - Ab̄ynt̄iÜrmv̄, m̄Rbk̄j̄ I D̄m̄eb̄x̄ P̄lḡZv̄ ē-v̄i m̄th̄M̄ c̄v̄b
 - w̄Áv̄gb̄- I Kḡj̄x̄ Kivi Dci , īz̄; Av̄t̄i c̄v̄c
 - Av̄ynt̄K c̄h̄b̄ ē-v̄n̄t̄i i t̄h̄M̄Zv̄ AR̄bi m̄th̄M̄ m̄j̄o
 - Z̄w̄ĒK Áv̄t̄bi m̄t̄_ ev̄-b̄ḡj̄x̄ I c̄q̄Mḡj̄x̄ ik̄l̄v̄ m̄th̄M̄ ē-v̄x̄
 - Rxēb̄ P̄Zv̄ AR̄bi m̄th̄M̄ m̄j̄o
 - me aīt̄bi ēl̄ḡ Aem̄t̄bi j̄ t̄t̄i ḡb̄ew̄aKv̄t̄i Dci , īz̄; c̄v̄b
 - w̄k̄q̄t̄bi Pwn`v Ab̄ynt̄i ḡb̄ew̄aú̄ m̄j̄o Dci , īz̄; c̄v̄b

4.2.2 **ව්‍යුත්පන මගුව්‍යාපන සඳහා ප්‍රාග්ධන යොදාගැනීම්**



4.2.3

4.2.4

ව්‍යුත්‍යුති ඒස්ට්‍රාලියා නේගම්පා න්‍යෝං ව්‍යුති යුති මෙවැනි යදී කි,
එක්ස්ප්‍රේස් වෙන්ප්‍ර වෙත් ටොර්ත්‍රූ බැංක් මුඩ්‍රාන්ක ව්‍යුති මෙල්වා, ව්‍යුති ප්‍ර
ක්‍රියා මෙම තුළු ජ්‍යෙෂ්ඨ තුළු වෙත් ව්‍යුති මෙම තුළු ව්‍යුති මෙම තුළු

- 4.3 **weIqwfE¹K w²kP³l⁴yg Db⁵b**
 w²kP³l⁴tg i⁵ctiLvi w⁶fE⁷Z c⁸zJU weI⁹ti w²kP³l⁴yg Db⁵b Rb⁶ RvZq ch⁷qj w²kP³l⁴etk⁵lA, weI⁹ q w²etk⁵lA, AwfA tkiM¹⁰kP¹¹K I Gbu¹²ml¹³etZ Kg¹⁴P¹⁵Z w²etk⁵lA M¹⁶tYi mg¹⁷stq c⁸zJU weI⁹ti Rb⁶ 5 t¹⁸lK 8 m¹⁹m²⁰ weI⁹ko GK²¹J K²²i Krig²³J w²kP³l⁴g²⁴Yj q KZ²⁵ M²⁶b Kiv nq| c⁸zJU weI⁹ q Krig²³J Z mg¹⁷stqKvix w²nmvte` w²qZ²⁷cj b K²⁸i b GmBGm²⁹Wici GKRb w²kP³l⁴yg w²etk⁵lA|
- 4.3.1 **weIqwfE¹K w²kP³l⁴yg Db⁵b Krig²³Umg³⁰tK w²zbi³¹U t³²j f³³M K³⁴i c³⁵z `j t³⁶K w²kP³l⁴yg Db⁵b weI³⁷q w²ne³⁸o c³⁹kP⁴⁰Y t⁴¹ l⁴²qj nq| c³⁹kP⁴⁰Yi c⁴³nb w²zbi³¹U t⁴⁴l⁴⁵ n⁴⁶Q (K) w²kP³l⁴tg i⁵ctiLvi c⁴⁷l⁴⁸ P⁴⁹Z | w²kP³l⁴yg Db⁵b b⁵⁰Zgj v (L) w²kP³l⁴yg Db⁵b c⁵¹qj Ges w²kP³l⁴yg Db⁵b w²ba⁵²n Z QK I Gi e⁵³envi (M) QKwfE¹K n⁵⁴tZ Kj t⁵⁵g b⁵⁶gj w²kP³l⁴yg Db⁵b Ges ch⁵⁷l⁵⁸P⁵⁹v|**
- 4.3.2 c³⁹kP⁴⁰Y c⁴³l⁴⁴ t⁴⁵u⁴⁶ K Avj vc-Avtj vP⁴⁷vri g⁴⁸atg weIqwfE¹K w²kP³l⁴yg Db⁵b w²bgj w²LZ t⁴⁹mvcb Abj⁵⁰ntYi w²mx⁵¹tb⁵²l⁵³qj nq:
 (K) f⁵⁴gKv (weI⁵⁵ti ms⁵⁶l⁵⁷B c⁵⁸l⁵⁹P⁶⁰) (L) D⁶¹l⁶²k⁶³ (mvavi Y D⁶⁴l⁶⁵k⁶⁶vevj i Avtj v⁶⁷K weI⁶⁸ti D⁶⁹l⁷⁰k⁷¹vevj) (M) c⁷²l⁷³K w²kLbdj (weIqwfE¹K D⁷⁴l⁷⁵k⁷⁶vevj AR⁷⁷Dc⁷⁸hM⁷⁹w²ba⁸⁰n Z t⁸¹l⁸²tk⁸³I AR⁸⁴hM⁸⁵w²kLbdj |) QK-1 G c⁸⁶l⁸⁷K w²kLbdj i t⁸⁸kiYwfE¹K wefvRb Ges QK-2 G t⁸⁹kiYwfE¹K w²kLbdj , Aa⁹⁰qj l⁹¹w²ci⁹²l⁹³qW msL⁹⁴, Aa⁹⁵qwfE¹K weI⁹⁶qe` , w²l⁹⁷lb⁹⁸-t⁹⁹kL¹⁰⁰rb¹⁰¹ w²bt¹⁰²Rb¹⁰³, gj¹⁰⁴q¹⁰⁵ w²bt¹⁰⁶Rb¹⁰⁷ | c¹⁰⁸V¹⁰⁹c¹¹⁰Y c¹¹¹qb w²bt¹¹²Rb¹¹³ th¹¹⁴tnZ¹¹⁵beg-`kg t¹¹⁶kiY I GK¹¹⁷l¹¹⁸k¹¹⁹-k¹²⁰ t¹²¹kiY Awt¹²²Q¹²³ t¹²⁴kiY, tm¹²⁵tnZ¹²⁶G¹²⁷ w²l¹²⁸qj w²kP³l⁴yg Db⁵b QK-1 G t¹²⁹kiYwfE¹K w²kLbdj wefvR¹³⁰b¹³¹ci¹³²qRb nq w²|
- 4.3.3 c⁸zJU weIqwfE¹K Krig²³J w²be¹³³vcx w²ba¹³⁴n Z msL¹³⁵K m¹³⁶fvq w²gj¹³⁷ Z n¹³⁸q w²ba¹³⁹n Z Q¹⁴⁰K w²kP³l⁴tg Lm¹⁴¹ov c¹⁴²qb K¹⁴³i b| Gici GKB ai¹⁴⁴ti weI¹⁴⁵q, t¹⁴⁶Qj weIqwfE¹K Krig²³Umg¹⁴⁷ I w²kP³l⁴yg c¹⁴⁸vgk¹⁴⁹Ki th¹⁵⁰ m¹⁵¹fvq Lm¹⁵²ov w²kP³l⁴yg Dc¹⁵³l¹⁵⁴cb I ch¹⁵⁵l¹⁵⁶P¹⁵⁷v Kiv nq| weI¹⁵⁸ q Krig²³J tm Abj¹⁵⁹nti w²kP³l⁴yg c¹⁶⁰gvR¹⁶¹ K¹⁶²i b|
- 4.3.4 GKB ai¹⁶³ti b¹⁶⁴ weIqmg¹⁶⁵ w²bt¹⁶⁶P¹⁶⁷v J M¹⁶⁸b K¹⁶⁹i c¹⁷⁰zJU t¹⁷¹j i Aew¹⁷²mK Kg¹⁷³Rj v Krig²³J w²etW¹⁷⁴(BARD) Abj¹⁷⁵oZ nq| weI¹⁷⁶ q Krig²³Ji m¹⁷⁷m¹⁷⁸e¹⁷⁹, ms¹⁸⁰ko t¹⁸¹fu¹⁸²s Krig²³J I m¹⁸³u¹⁸⁴b Krig²³Ji m¹⁸⁵m¹⁸⁶e¹⁸⁷, w²kP³l⁴g¹⁸⁸Yj q KZ²⁵ M¹⁸⁹Z w²kP³l⁴yg Db⁵b weI¹⁹⁰Q¹⁹¹ t¹⁹²UK¹⁹³l¹⁹⁴K¹⁹⁵ Krig²³Ji m¹⁹⁶m¹⁹⁷e¹⁹⁸ G Kg¹⁹⁹Rj vq AskM²⁰⁰Y K²⁰¹i b| G Kg¹⁹⁹Rj vq
- 4.3.5 **weIqwfE¹K w²kP³l⁴yg Dc⁵l⁶cb | ch⁷l⁸P⁹v Kiv nq| ch⁷l⁸P⁹v Avtj v¹⁰K ms¹¹ko Krig²³J w²k¹²ytg i c¹³qRb¹⁴q c¹⁵gvR¹⁶ K¹⁷i b|**
- 4.3.6 **Gici c¹⁸l¹⁹Z w²kP³l⁴yg wefvM²⁰q Kg²¹Rj vq Dc⁵l⁶cb | ch⁷l⁸P⁹v Kiv nq| Kg²¹Rj vq weI²² q-w²kP³l⁴KMY t²³l²⁴ MZ f²⁵vte t²⁶l²⁷ weI²⁸ti w²kP³l⁴yg w²neofvte ch⁷l⁸P⁹v K¹⁷i myb²⁹l³⁰ m³¹cvw³²i k³³ i³⁴l³⁵b| Kg²¹Rj v³⁶ G m³⁷cvw³⁸i t³⁹ki Avtj v¹⁰K weI¹¹ q Krig²³J w²kP³l⁴yg c¹⁵gvR¹⁶ K¹⁷i m¹⁸weR¹⁹ i²⁰l²¹b|**
- 4.3.7 **m¹⁸weR¹⁹ w²kP³l⁴yg t²⁰UK²¹l²²K²³ vj Krig²³J KZ²⁵ c¹⁵gvR¹⁶bi ci w²kP³l⁴g²⁷Yj q KZ²⁵ M²⁸Z c²⁹dkbjv Krig²³J I RvZq w²kP³l⁴yg | c³⁰W³¹c³²Y K teW³³KZ²⁵ Abt³⁴gw³⁵ Z nq| me³⁶k³⁷l³⁸ RvZq w²kP³l⁴yg mg³⁹ Krig²³J KZ²⁵ Abt³⁴gr³⁵ b j³⁶fi ci w²kP³l⁴yg w²kP³l⁴yg 2012²⁰ w²nmvte M²¹xZ nq|**

4.4 ԱԿՊՄԱԳ ՁԵՐԸ ԱՆՎԵՐԺԻՉՔԻ ԿՄԽԲ

ԺԲՔ	ԿՄԽԲ	ՁԵՐԸ/ԸՆՎԵՐԺԻՉՔԻ	ԺԲՔ	ԿՄԽԲ	ՁԵՐԸ/ԸՆՎԵՐԺԻՉՔԻ	
1. Ae` vi wetkI Y	1.1 gva`ngK -t`i i cPvij Z ԱԿՊՄԱԳ ՁԵՐԸ ՎԲՎ 1.2 gva`ngK -t`i i ԱԿՊՄԱԳ gj` vqb I Pvn` v vbi/cY մցՔլ 2010 cwi Pvj bv 1.3 RvZxq ԱԿՊՄԱԳ 1995-96 wetkI Y	1.1 GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 1.2 GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 1.3 GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 1.4 AvšRnZK chfqi ԱԿՊՄԱԳ ՁԵՐԸ ՎԲՎ 1.5 cñmñK cñZte` b, cñÜ I gZvgZ chfqi ՎԲՎ	3. weI qrfwEK ԱԿՊՄԱԳ ՁԵՐԸ	3.1. ԱԿՊՄԱԳ ՁԵՐԸ Dci nbneo cñkPjY cñvb 3.2. weI qrfwEK ԱԿՊՄԱԳ ՁԵՐԸ	3.1. ԱԿՊՄԱԳ cñgkR I tUKnbK`j Կողմ 3.3.1 ԱԿՊՄԱԳ wetkI A, weI q wetkI A, AwfA tkjY ԱԿՊԿ, Gbmmlme I GmBGmWnici wetkI AMtYi mgštq MnZ weI qrfwEK ԱԿՊՄԱԳ ՁԵՐԸ Կողմ, wb` Rbvq RvZxq ԱԿՊՄԱԳ cñgkR 3.3.2 wefWnq KgRvj vq AskMñYKvi x weI q ԱԿՊԿ I GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 3.3.3 tUKnbK`j Կողմ	
2. ԱԿՊՄԱԳ iJcti Lv cñqb	2.1 ԱԿՊՄԱԳ ՁԵՐԸ bñZguj v wbañ Y	2.1 ԱԿՊՄԱԳ cñgkR Ki wb` Rbvq GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 2.2 ԱԿՊՄԱԳ mgvBKi t`i AMñti Y cñvn pñt cñqb	2.2 ԱԿՊՄԱԳ cñgkR Ki wb` Rbvq GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 2.3.1 ԱԿՊՄԱԳ cñgkR Ki wb` Rbvq GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 2.3.2 `ñU RvZxq tmwgbrt AskMñYKvi xe`	4. ԱԿՊՄԱԳ mgštq mwab I Abfgv` b	4.1. ԱԿՊՄԱԳ mgvMñKfite cñhvR` Ask `Zni I mKj Astki mgštq RvZxq ԱԿՊՄԱԳ 2012 iJc` vb Ges 4.2. ԱԿՊՄԱԳ Abfgv` b	4.1.1 ԱԿՊՄԱԳ cñgkR I GmBGmWnici ԱԿՊՄԱԳ wetkI Ae` 4.1.2 tUKnbK`j Կողմ 4.1.3 tfñUs Կողմ 4.1.4 cñdkbvj Կողմ 4.1.5 Gbmmlme 4.2. RvZxq ԱԿՊՄԱԳ mgštq Կողմ

5. RvZiq iikPvug 2012 Gi ēenkó

- 5.1 mavi Y, gv`imv I Bst̄iR iikPvavimn mKj aviv iikPvi Rb Aog tkly ch̄i GKglx I AwfbokPvug c̄yqb |
- 5.2 Z_ I th̄Mth̄M c̄y3, KḡI Rxebglx iikPvi Ges K̄vi qui iikyv msth̄Rtbi cikcik c̄yj Z mgwRK weAvb wel tqi ci etZ̄esjvt k I wek̄pui Pq wel q msth̄Rb |
- 5.3 Rjeayci eZB, cRbb ^~, Z_ AraKvi, Ait̄Rg BZ^~ wel qe^~ msth̄Rb |
- 5.4 60 t̄K 10g tklyZ HirQK wel q mn̄ite M̄i b̄M̄oxi fvlv I ms^Z0 wel q msth̄Rb |
- 5.5 h̄Mi Pvn` vbm̄ti mKj t̄ti i c̄yj Z wel qm̄ i wel qe^~ AvajbKvq Ges GKr` k̄v k tklyZ HirQK wel q mn̄ite Uzv Rg ḠU nm̄icUvij bZb wel q msth̄Rb |
- 5.6 agiikPvavimn mKj wel tq b̄iZK iikPvi Dci ,iaz;c̄vb |
- 5.7 fvlv Av̄v j̄b I ḡ3h̄xi tPZbv Ges Am̄ac̄wqK tPZbv weKt̄ki grātg t̄kvZteria I RvZiq HK weKt̄ki Dci ,iaz;c̄vb | t̄kvZteria weKt̄ki grātg Av̄SRiZKZteria m̄oi c̄ym |
- 5.8 weAvbgb^~, h̄j̄3er`x, Kḡjx I ^P Rbkj^3 m̄oi Dci ,iaz;c̄vb |
- 5.9 ḡvZfvlv esjv Ges Av̄SRiZK fvlv Bst̄iR iikPvq wel qe^~ gl^~ Kvi ci etZ̄ tkibv, ejv, cov I t̄j Lv G Pvi J^~Zi tklyKt̄y Abkj̄t̄bi grātg tkLvi m̄th̄M m̄o Ges Av̄RZ^~Zv gj̄vqtb̄i cxiZ c̄ZB |
- 5.10 iikLb-tkLvt̄bi tkSkt̄j i grātg iikyv_x^i t̄K mRbkj Kiv A_ř wekt̄l Ygj K, Psl D̄iKCK I mRbkj c̄k̄Ei I KivR Abkj̄t̄bi grātg mRbkj I D̄m̄ebx P̄gZv iekt̄ki m̄th̄M c̄vb |
- 5.11 thme wel tq ēenwi K KvR Av̄t̄Q thgb- weAvb, c̄v weAvb, i m̄qb, RxewAvb, K̄vi iikPv, M̄n̄^o weAvb, kvixi K iikyv I ^~, KḡI Rxebglx iikyv, Z_ I th̄Mth̄M c̄y3, Pvi ā Kviakj v wel tqi ZwEK I ēenwi K Ast̄ki ḡta^~ mgšq mwab Ges iikPvK Rxeb I er̄leglx Kivi c̄ym | A_ř c̄ziU ZE; m̄t̄ I bxz iikPvi m̄t̄_m̄t̄ ēenwi K Kivi m̄th̄M c̄vb |
- 5.12 n̄t̄Z Kj tg K̄i tkLvi I ^j MZ Av̄t̄j Pbv K̄i tkLvi Dci ,iaz;c̄vb |
- 5.13 tkly Kvhpt̄g c̄y3 i ēenwi epx |
- 5.14 iikPvK Rxeb I er̄leglx Kivi c̄ym Ges t̄kq t̄c̄yvc̄t̄U Db̄býg Rbkj^3 m̄oi Dci ,iaz;c̄vb |
- 5.15 Aāvq t̄t̄K Kx Ávb, ^PZv, gj̄ teva I ^pfiw ARB Kite Zv eyxe^EK, ḡbričK R I Av̄em̄q iikLbdj mn̄ite c̄ziU Aāvq i iat̄Z msth̄Rb |

- 5.16 iikPvi grātg meekvi elg^~ i K̄i mgZv weartbi m̄th̄M m̄o | ij ½, ag^o eY^o RvZ, tckMZ I A_řoZK elg^~ i Kivi j̄t̄t̄ GkrfZ iikPvq ,iaz;c̄vb |
- 5.17 wek̄lqt̄bi Pvn` Abj̄nt̄i gibemeu^~ m̄oi c̄ym |
- 5.18 c̄iZ iikPvi q̄t̄Wi ēvB epx, AāvqfuiEK wci qV ibafY, iikyvetl Kqf̄ et̄mi msLv epx |
- 5.19 RvZiq w emmḡn ^j t̄Lvj v t̄t̄L w em D̄ hvc̄t̄bi ēe^~ c̄ZB |
- 5.20 avivewiK gj̄vqtb̄i (MvBkjx b̄i vqb) grātg iikLb ^p̄Zv iPl̄yZ K̄i vbi vqagj K t̄meri grātg iikLb vboZKiY |
- 5.21 c̄yj Z ēenwiK c̄i x̄yi ms^vi m̄at̄bi grātg Av̄Zi^3 b̄v̄i c̄v̄t̄bi m̄th̄M eÜ Kiv |
- 5.22 mgwóK gj̄vqb/mgwóK c̄i x̄vi I c̄evj K c̄ixPv cxiZi ms^vi |

6. iikPvug iſčiLv

6.1 Iō-Or̄ k tkly iikPvi j̄t̄t̄ I D̄iK̄

j̄t̄t̄

iikPvi^f m̄oek weKt̄ki grātg gibmeK, mgwRK I ^b̄iZK ,YmaúbceAvbx, ^P, h̄j̄3er`x I mRbkj t̄k̄c̄gK Rbm̄eú^~ m̄o |

D̄iK̄

- K. iikPvi^f m̄b c̄iZfv I m̄tebvi weKt̄ki grātg mRbkj Zv, K̄i bv I Abj̄n̄ürmv epx^t̄Z mn̄vqZv Kiv |
- L. iikPvi^f ḡta^~ gibmeK ,Yevj, thgb- ^b̄iZK gj̄ teva, mZv, Aāem̄q, m̄n̄oZv, k;Ljv, AvZwek̄m, m̄Pvi, Atb i c̄iZ k̄vteria, b̄i vboZteria, tm̄šni^~C̄Ym̄p̄uk^~ I b̄iqnePvi teva m̄j p̄f̄te M̄_Z Kiv |
- M. gnib fvlv Av̄v j̄b, ḡ3h̄xi tPZbv I Am̄ac̄wqK gj̄ tevai Av̄t̄j vt̄K iikPvi^f ḡta^~ t̄k̄c̄g, RvZiqZteria I MYZwšK gj̄ teva RMZ Kiv Ges m̄tebvgq bvM̄i K mn̄ite tefo DV̄Z mn̄vqZv Kiv |
- N. iikPvi^f ḡta^~ esjv vt̄k m̄užt̄K^m̄nsnZ Av̄t̄bi wFZ iPbv Z_v Gi BiZnm̄, HiZn̄, ms^vZ, Av̄m̄gwRK I MYZwšK ivR%vZKPPA c̄iZ AwM̄h I th̄M̄Zv m̄oi grātg ^eik̄K t̄c̄i vct̄U t̄t̄ki c̄iZ I Dbāt̄b Aēv b̄iL̄Z m̄l̄g K̄i M̄to t̄Zjv v |
- O. kt̄gi ghPv, KyRi Af̄m I KvR Kt̄Z AwM̄h n̄l̄qi c̄iZ BiZerPK ḡt̄birve weKt̄K Kiv h̄t̄Z iikPvi^o ēvB MZ Ges ^j MZ Df̄q aīt̄bi KvR m̄au^~t̄b ^b̄iZKZv I ^wqZkxj Zv ci Pq w̄t̄Z ct̄i |
- P. mKj t̄t̄t̄i KvhRi th̄Mth̄M iPl̄q iikPvi^f c̄iZ esjv fvlvi ^PZv m̄j p̄ m̄nsnZ Kiv Ges vboqZ c̄iZf̄m M̄to t̄Zjv v |

- Q. evsj v mñntZ i Ašl̄bñZ bñ` nkB tm̄s h̄k;Lj v Ges mL DctfM I D` NuUtb
w̄kPv_xP thwM Zv weKirkZ Kiv|

R. AvajbK KgP̄t̄t̄ D`Pw̄kPv mn mKj t̄P;T KvhRi thwMthitMi c̄qRtb Bst̄i wR
fvi vi tgšj K `PZvmgn ARfb bi gra`tg w̄kPv_xP thwM Kti Mto tZuj v|

S. w̄kPv_xP MñWzK h̄j̄3 c̄xwZ I `PZvi mñt c̄wPZ Kivtbi Ges RxebNñbó I
wetkj ciwi cñwK mgm̄v mgvarbi Rb` MñYzI c̄qRMK `PZv weKirkZ Kiv|

T. w̄kPv_xP c̄j̄3 i c̄Z AvMhx Kti tZuj v Ges Z_ I thwMthwM c̄j̄3 e`en̄ti
AvZekjmx, Drcv` bkxj Ges mRbkxj mñmté `Zui Kiv|

U. w̄kPv_xPvZ Rxebgib Dbqtb bi Rb` RxebNñbó wñfbñgm̄v AbjñÜvb I mgvarb
`eÁwbK c̄j̄qvi I c̄xwZ c̄qM KtiZ cihi tm j tP `eÁwbK `jofw/ I
thwM Zv ARfb mnvqZv Kiv|

V. t̄tk Ges ewñtekj ciKuzK I mgvñRK cihi tek Ges Rj evqj ciweZbi Dci
, iaztivc Kti cihi tekMZ Dcv`vb mñutKw̄kPv_xP i c̄wPZ Kiv| GKB mñt
msikó mKtj i Kj v̄Yi Rb` H mKj Dcv`vbK lbqšy I e`envi Kivi thwM Zv
ARfb mnvqZv Kiv|

X. Lv` I cjo, kvixi K mñgZv, tivM-e`wa, c̄Rbb `^` Ges e`w³MZ wñbicÉv
BZwñ i Dci , iaztivc Kti w̄kPv_xP `^`mñZ Rxebhvc̄bi c̄qRbxq Ávb,
Rxeb`PZv I `jofw/ ARfb mnvqZv Kiv|

W. w̄kPv_xP gtb wñR wñR agx̄ wekym I gj t̄eva RñMZ Kivi cirkvñk Ab` aḡl
agfej x̄t̄ i c̄Z kñvkvij ntZ mnvqZv Kiv|

Y. w̄kPv_xP gta` evOwj Ges Pñz`RñZ-tMñxi buix-cjñl, eY`tMñt, fvi v, ms`wZ,
wñfbñkñy I tckvi gibjli i c̄Z ávZZj I kñvteva myo Kiv|

Z. w̄kPv_xP ^wñK I gibimK weKirkj i tP mnkPvñpñgK Kihfeyj - tLj vaj v, kixiPP,
mñtñZK KgRvE, Priæl Kviakj v Abkjv tbi lbqiqZ Afim Mto tZuj v|

_ Rxebevx w̄kPvñg AvMñx I thwM Kivi Rb` w̄kPv_xP e`w³MZ I mgvñRK Rxeb,
AvajbK KgP̄t̄t̄ Ges `^Kgñs tñbi Rb` c̄qRbxq Ávb, `PZv I `jofw/ my p
Kiv|

_ mnthwM Zigj K Kiv Kivi gra`tg w̄kPv_xP tbZZ; mnthwM Zv I thwMthwM `PZv weKirk myg
Kiv|

6.2 *wełq Kvwłtgv:*

Iô t_‡K Aog tkiYi weIq KvW‡gv, b¤† I mgq eÈb

	mKj avivi Avenik'K weiq (mvavi Y ikqiv, gu-`tmv ikqiv I BstirR ikqiv aviv)	cixlvi bxt	mgqeEb (Km vciw qM)		
			mvBwnK	mvgnqK	ewlR
1.	eisj v	150	5	87	174
2.	BstirR	150	5	87	174
3.	MvYZ	100	4	70	140
4.	eisj vt` k I wekciwi Pg	100	3	53	106
5.	weAvb	100	4	70	140
6.	Z_- I thwMthwM cby ³	50	2	35	70
	tgvU	650	23	402	804
	mvavi Y ikqiv avivi Avenik'K weiq				
7.	ag ¹ `biZK ikqiv: Bmj vg I `biZK ikqiv/vn` pg ² `biZK ikqiv/lbag ³ `biZK ikqiv/teSxag ⁴ `biZK ikqiv	100	3	53	106
8.	Kvi xwi K ikqiv I -`-	50	2	35	70
9.	Kg ¹ Rxebglx ikqiv	50	2	35	70
10.	Pri ¹ Kvi ² Kj v	50	2	35	70
	tgvU	250	9	158	316
	mvavi Y avivi HwQK weiq (GKwU tbt qu hvte)				
11.	¶z ¹ b ² Moxi fvlv I ms ³ -Z/Kw ikqiv/ Mn ⁴ weAvb/Avi we/ms-Z/cwjj	100	2	35	70
	me ¹ gvU	1000	34	595	1190

‘ðe’:

- cög ñci*wi* q*t*Wi e*ñ*Wß 60*igibU* | Ab*ü*b" ñci*wi* q*t*Wi e*ñ*Wß 50*igibU* |
 - kübe*v*i tüK e*p*eri cöZ*r* b 6*ñ*ci*wi* q*W* Ges e*n*-úZ*eri* 4*ñ*ci*wi* q*W* |
 - ^übK cöñ*ü*K mg*y*tek (Assembly) Gi t*gq* ` 15*igibU* Ges 3*q* ñci*wi* q*W* ci ga*ü*y*ñ* 45*igibU* |
 - `B ük*d*tu c*ü*i P*wj* Z cöZ*ö*v*t*b me t*¶**¶**¶* 5*igibU* K*t*i mg*q* Kg n*t*e Ges ga*ü*y*ñ* 25*igibU* |

6.3 m̄avi Y ɪk̄l̄v avivi beg-`kg tk̄l̄i w̄l̄q-Kw̄l̄tgv, b̄t I mgq ēEb

w̄l̄qi aib	w̄l̄q	cix̄l̄vi b̄t	mgqēEb (Km̄ w̄l̄q q̄l̄)		
			m̄Bw̄nK	m̄vgw̄qK	ew̄l̄R
Avēlk̄'K	1. evsj v	200	5	80	160
	2. Bst̄i w̄R	200	5	80	160
	3. M̄YZ	100	4	64	128
	4. aḡl̄ `b̄w̄ZK ɪk̄l̄v (Bmj vg I `b̄w̄ZK ɪk̄l̄v/ m̄n̄ `pḡl̄ `b̄w̄ZK ɪk̄l̄v/ w̄L̄öḡl̄ `b̄w̄ZK ɪk̄l̄v/ tēxaḡl̄ `b̄w̄ZK ɪk̄l̄v)	100	2	32	64
	5. Z_ I th̄M̄th̄w̄M̄ c̄b̄y ³	50	2	32	64
	6. K̄wi qui ɪk̄l̄v	50	1	16	32
	7. k̄vi w̄l̄K ɪk̄l̄v, -f̄-w̄ēAb̄ I t̄l̄ vaj v	100	2	32	64
	t̄gvU	800	21	336	672
kv̄L̄w̄f̄v̄ĒK w̄l̄q					
w̄ēAb̄ kv̄L̄v̄i Rb̄ Avēlk̄'K w̄l̄q	8. c̄v_ w̄ēAb̄	100	3	54	108
	9. i m̄qab	100	3	54	108
	10. Rx̄ēAb̄/D̄PZi M̄YZ	100	3	54	108
	11. evsj v̄t̄ k I w̄ek̄c̄w̄i Pq	100	3	54	108
w̄ēAb̄ kv̄L̄v̄i H̄w̄QK w̄l̄q (GK̄l̄U t̄bl̄ q̄v̄ hv̄te)	12. Rx̄ēAb̄/D̄PZi M̄YZ/ q̄l̄ a b̄M̄v̄o i f̄v̄l̄ I m̄n̄ -w̄Z/Kv̄l̄ ɪk̄l̄v̄/ M̄n̄ ^o /w̄ēAb̄/ f̄#M̄j I c̄w̄i t̄ek̄/ Pvi āl̄ K̄vi k̄j v̄/ msM̄Z/temK t̄UW/ k̄vi w̄l̄K ɪk̄l̄v̄ I μ̄ov*	100	3	54	108
	m̄fgvU	1300	36	606	1212
ēem̄q ɪk̄l̄v̄ kv̄L̄v̄i Rb̄ Avēlk̄'K w̄l̄q	8. ēem̄q D̄t̄ w̄M̄	100	3	54	108
	9. m̄m̄w̄ēAb̄	100	3	54	108
	10. w̄d̄b̄v̄Y I ēvs̄ks	100	3	54	108
	11. w̄ēAb̄	100	3	54	108

w̄l̄qi aib	w̄l̄q	cix̄l̄vi b̄t	mgqēEb (Km̄ w̄l̄q q̄l̄)		
			m̄Bw̄nK	m̄vgw̄qK	ew̄l̄R
ēem̄q ɪk̄l̄v̄ kv̄L̄v̄i Rb̄ Avēlk̄'K w̄l̄q	ēem̄q ɪk̄l̄v̄ kv̄L̄v̄i H̄w̄QK w̄l̄q (GK̄l̄U t̄bl̄ q̄v̄ hv̄te)	12. f̄#M̄j I c̄w̄i t̄ek̄/ evsj v̄t̄ k I w̄ek̄c̄w̄i Pq/ Kv̄l̄ ɪk̄l̄v̄/M̄n̄ ^o /w̄ēAb̄/ q̄l̄ a b̄M̄v̄o i f̄v̄l̄ I ms -w̄Z/Pvi āl̄ K̄vi k̄j v̄/ msM̄Z/temK t̄UW	100	3	54
	m̄fgvU	1300	36	606	1212
ḡb̄w̄ēK kv̄L̄v̄i Rb̄ Avēlk̄'K w̄l̄q	7. evsj v̄t̄ k i B̄zN̄v̄m I w̄ek̄h̄f̄ Zv̄	100	3	54	108
	9. f̄#M̄j I c̄w̄i t̄ek̄	100	3	54	108
ḡb̄w̄ēK kv̄L̄v̄i H̄w̄QK w̄l̄q (GK̄l̄U t̄bl̄ q̄v̄ hv̄te)	10. A_ D̄w̄Z/t̄cs̄ib̄w̄Z I b̄v̄M̄v̄i KZv̄	100	3	54	108
	11. w̄ēAb̄	100	3	54	108
	12. A_ D̄w̄Z/t̄cs̄ib̄w̄Z I b̄v̄M̄v̄i KZv̄/Pvi āl̄ K̄vi k̄j v̄/Kv̄l̄ ɪk̄l̄v̄ /M̄n̄ ^o /w̄ēAb̄/ q̄l̄ a b̄M̄v̄o i f̄v̄l̄ I ms -w̄Z/Avi w̄ē/ms -Z/c̄w̄j / msM̄Z/temK t̄UW /k̄vi w̄l̄K ɪk̄l̄v̄ I μ̄ov*	100	3	54	108
	m̄fgvU	1300	36	606	1212

‘bē:

- w̄ēAb̄, ḡb̄w̄ēK I ēem̄q ɪk̄l̄v̄ kv̄L̄v̄ n̄t̄Z t̄h̄Kv̄b̄ GK̄l̄U kv̄L̄v̄ w̄ēPb̄ K̄t̄ w̄ēPZ kv̄L̄v̄i Avēlk̄'K w̄l̄q m̄ḡn̄ w̄b̄Z n̄t̄e |
- m̄v̄t̄n̄ 6̄w̄ b̄ ^ w̄b̄K 6̄w̄c̄w̄i q̄W Km̄ n̄t̄e |
- w̄c̄w̄i q̄t̄W i ēw̄b̄ I Ab̄v̄b̄ w̄l̄q I o t̄_t̄K Aóg tk̄l̄i Ab̄j̄c n̄t̄e |
- * k̄vi w̄l̄K ɪk̄l̄v̄ I μ̄ov w̄l̄q Ūayevsj v̄t̄ k μ̄ov ɪk̄l̄v̄ c̄z̄ōt̄bi w̄ēAb̄ kv̄L̄v̄ I ḡb̄w̄ēK kv̄L̄v̄i ɪk̄l̄v̄_x̄v̄ H̄w̄QK w̄l̄q m̄m̄t̄e w̄b̄Z c̄v̄t̄e |

7. **WkLb-tkLvtbv c×W I tKškj**

7.1 **ව්‍යුත්ථාපන ව්‍යුද්ධිය නිවැරදිව පෙනීමේ මූල්‍ය අනුග්‍රහය**

D'vni Y w tq Ges ce p Ávb, `¶Zvi mw_ ms thwM ~icb Kti bZb Ávb, `¶Zv
AR b mnwqZv Kiv ntj w k¶j vrf mnR nq |

- 7.1.5 **W**¶v_Av hv wKLte Zv ejS wKLte | tKvfbv weI q múK^om^ú ú avi Yv j vf Kite | bv ejS gj_'' Kiv h_v_@k¶v bq| GtZ wKLtb i mAvj b nq bv| ejS wKLtj ev tKvfbv mgm^v mgvarvbi h^v³ | cxwZ ejS c^lqM Kitj Abjfc mgm^v mgvarv wbtRB KitZ crv*i* ZvB gj_'' i tpq ejSvi Dci , iazit_'' i qv c^lqRb|

7.1.6 **W**¶v j vtf h_vh_ wkt¶vcKi^tYi mWk eenvi AZ'sl , iazcY^o me weI tqB Kg-teuk wkt¶vcKi^tY eenvi mthwM AvtQ| wkt¶vcKi^tYi mnvith RvUj | wegZ^o weI qtk mnR I gZ^oKtj Dc^tcb Ktj weI qnUk t'úó avi Yv t' i qv hvq| GKuU tQu MqQ tkvMz c^t kD Ktj M^tQI wef^bAsk ev gwéngwqyq mh^tWY t' Lvtj hZ mntr mWk avi Yv j vf mae Ab^t tKvfbvfe Zv mae bq| gwéngwqy eenvi i mthwM bv _Vktj P^t ; c^lex I mth^tP Awfbq ev PvUeenvi Kiv hvq|

7.1.7 **W**LBtk t'qKt^tYi Rb^t c^lqRb Abkjxj tbi e'e_'' | bZbfvfe AwRZ Ávb, `¶Zv evi evi Abkjxj b Kiv ntj GK^tK thgb wLb t'qx nq, Ab^t'tK wLb mAvj tbi mthwM mjo nq|

7.1.8 **W**¶v AR^tbi t¶#t^t **W**¶v_Av c^lZ wKt^tKi mnvbfwZcY^oAvPiY LpB , iazcY^o wKt^tK-wKt^tA múK^oGgb nte thb **W**¶v_Pi ayjt Lvcov weI qK mgm^v bq, Zvi th tKvfbv e'v³MZ, cwi ewi K mgm^v webv ms^tKvP wKt^tKi m^t_Avtj vPbv Ktj | wKt^tK mgm^v mgvarv^t c^lvgk^t t^b Ges mva^tgZ mnvqZv Kit^tb | wKt^tK-wKt^tA grtS tKvfbv t' qj_ _Vkt^t bv| múK^onte tm^t-k^tvi Ges LpB Nubô | Avsh^tK |

7.1.9 **W**¶t^tKi wekjm _vKtZ nte th, Zui mKj **W**¶v_RB tKLvi mvg^o múbo^t mevi tKLvi Dcvq I MiZi gta^t cv_K_ _vKtZ crv*i*, Zte Dch^t c^ltek I mnthwMZv tctj mevB tklL | tKib **W**¶v_Av c^lZ wKt^tKi tbwZePK g^tbfive _vKtj H wKt^tK t^tK **W**¶v_Av DckZ nI qvi m^tebv LpB Kg| ZvB cÖZu **W**¶v_Av c^lZ wKt^tKi D^tP avi Yv _vKv evAbiq| tKvb **W**¶v_Av K Klbl^tgvi_vq tMvei^t, ðtZvK t' tq wKt^tB nte bv^t, ðMav^t, ðAc^t_v_PBZ w^t tKvfbv ai^tbi tbwZePK ev wbiarmngj K K_v ejv hvte bv| teZ eenvi ev tKvfbv c^lKvi kv*w*K ev gvbwmK kw^tc^lvb **W**¶v j vtfi Ašlvq Ges ivóiq AvBtb kw^thM^t Aciva | Drmn c^lvb Kiv ntj **W**¶v_Av tKLvi AvM^t AtbKuB teto hvq|

8. wLb gZev`

8.1

I fj mstkvabō gZer` (Trail and Error Theory of Thorndike); tcfj tfi Dī xCK I cīZūjuqwfīEK mvcP cīZeZer` (Conditioned Reflex Theory of Pavlov); tKvtnj vi I KvdKtii mgMlver` (Gestalt Theory) wLtb i tPfī AbjmZ ntq AvmtQ| eqmftfī wki t i Aeavi Y PqZv wfbG wltq Theory of Cognitive Development of Piaget wKtmeAvtb mvtkl Ae`vb tifL Pij tQ| G gZer` Aeavi Y PqZv ev migt_ q Zvi Zg` Abjmti 1 t_k 16 eQi eqfmi wki RxebtK PrinJ -li fW Kiv ntqfQ| fW ,tj v ntQ (K) 0-2 eQi mste` b mAvj tbi -li (L) 2-7 eQi cīK-KvhRi -li (M) 7-11 eQi ev -le KvhRi -li Ges (N) 11-16 eQi AvbjomBk KvhRi -li | wKtmeDbeq I wLtb-tkLtbw Kvhfug cīi Pij bvq wki i Aeavi Y PqZv ev migt_ P wltq wetePbqv ivLw Lpb , iazcY tKvb eqfmi wki KZUKzavi Y KitZ cīf ev tKvb eqfmi Kx Kx aitbi negZ^ari Yv jvf KitZ mPq tm məutK^mū úo avi Yv _kv AZ^ek^K | wLtb Diw LZ cīZ^KiU gZer` gj Z AWPi Yer` | wKs eZgjb wetk meñak Avtj vP wLtb gZer` uI avi Yv Mvb mñukZ hv Mvber` bvtq cīiPZ |

8.2 MVbev` (Constructivist Theory)

likPil_x^Kfite tkL G m^útK^likPil gtbwieÁvbix i AevnZ cPóri dtj D^mZ
metajpBK ZEj nt"O MVbev | j "wUb ká Constrvere t_kK Construct káWji
DrcmE hvi A_@eb^m Kiv ev Mvb t I qv | ZvB G ZtEj gj K_v ntj v avi Yv MVbB
likLb | c^Z gmtZB^tq M^m Z_ @iv Avgit` i Pšlbi gta th wbgqgZ MVb Ges
cwi eZ@ nt"O Zvi gva^gb likLb c^qy NtU | c^Z^K likPil_x^wbtRi AwfÁZv
Ges cwi cwkRZv Abjaib Kti wbtRi gtZi GKKfite bZb Ávb | avi Yv MVb
Kti | e^w^3 bZb KQj m^útj xB ntj tm GUtK Zvi ce^ä Ávb | AwfÁZv
Avtj vtK hvPvB Kti M^M Y Kti | GfiteB e^w^3 bZb avi Yv ev Ávb AR@ Kti |
hvPvBtq bZb w^lq^K Aevšli gtB ntj GUtK tm ewZj Kti t^q| likLbti ty^t
Jerome Bruner cwi tek | fvl v neKvtki Dci teik c^avb w^tq^Qb | Zui gtZ,
ÁvbneKvtki ty^t cwi tekki f^gKv teik Ges ÁvbneKvtki w^fbet^t i liki Áv^bi

Al Zvf³ werfbemgmvi mgvaib werfbefte t' q| GUwbf⁹ Kti wkii cec
AwfÁZv| Ávtbi Dci|

David Jonassen gtb Ktib Mvber t` wkp Ki fngKv nte bZb aviYv Mvtb
wkp vK mnvgZv Kiv| iayZEi Z_ mieivn Kiv bq| wkp K mgm v-mgvab ev
AbjyUvbi wbt Rbv t` feb, wkp vK hvtZ wbt RivB AbjyZ aviYv ZwI | ciqpv
Kti mxiShibZ ci|i Ges `j MZ wklb cwi teK Abt` iK Zv RvbvZ ci|i | G
ciqpvq Ávb j vtfi gva tg wkp vK fvte DcKZ n"Q Zv D`NvUb KitZ
wkp K wkp vK i DrmnwZ Ktib| Jonassen Avi I gtb Ktib th, wkp vK
wbt Riv wbt R` iK ckeKti Ges Zv`i e eÜZ c xZ tKsktj i h_v Zv hvPB
Kti wbt RivB mtg mtg AvfA wkp vK cwi YZ nq, wkp fvte wklZ nq (How to
learn) Zv Zviv AvqE Kti tdtj | Gfite Zviv Rxbe vcv wkp vK (Life-long
learners) cwi YZ nq |

MVbev`wfWÉZ wkpvljutgi webv̄m nte kwlj (spiral) | G eē- tq wkpvlx®ArRZ
avi Yv, Ávb | `mófíwži Dci wfWÉ Kti µgMZfvte bZb bZþ avi Yv, Ávb |
`mófíwž ArRθ Kite |

David Jonassen Gi gZvbjvñti MVbev` x tkiN KtP wklb nte-

- **MwZ (Constructed) :** ԱկՊՎ_ՔՎ Zն՞ i ceԱվ, արԵմ | ԱրՓԱԶմ i մդ_բՀբ
Ավ | ԱրՓԱԶմ մցշԿ tի Աբայի բրադգ մե՛րի ցրՏ բՀբ արԵմ ՄՎ
Կիթե |
 - **մարզ (Active) :** ԱկՊՎ_ՔՎ մե՛րի բրադգ i արԵմ մյօ Կիթե | ԱկՊԿ
Zն՞ i ի կ ցլզրեց մե՛ր բՎ և թեբ Գը ԱկՊՎ_ՔՎ ի ի կ ցլզ ԿիթԶ,
Ճշկի ՅՎ և ենի ԿիթԶ, ցկէ ԿիթԶ | ցՈՒՎ Պյ վ՛Զ մյհՄ Կի և թեբ |
ԱկՊՎ_ՔՎ ի ի կ մե՛ր ի յ Պ | ԿցԵ՛՛ մարդ յ մուզ Վ և թեբ |
 - **Աբայի բյի Կ (Reflective) :** ԱկՊԿ ԱկՊՎ_ՔՎ ի ի կ Զն՞ i մե՛ր մե՛ր մե՛ր կապու Ճի
ցկէ կի Վ Գը Աբայի կի մյհՄ ՀՎ Կի թեբ | Գ ԿՎ ԱկՊՎ_ՔՎ ԳԿԲ ի վե
յ յ մ ԶՄ ի վե ԿիթԶ ցրտ | ԱկՊԿ ԱկՊՎ_ՔՎ i ԲՎ ցբ մե ԿՎ և թեբ հրէ Զ ԱկՊՎ_ՔՎ
մե՛ր ի կ ի բրի շե՛յ ՊՎ Կի ց յ ցբ ԿիթԶ ցրտ |

- **mnthwMZvgj K** (Collaborative) : MVber`x tkil Kihpgug nte mnthwMZvgj K | lkPv_xpv `tj i cDZtKi t_tK cDZtK lkLte Ges GtK AbtK lkLZ mnthwMZv Ki te| hLb lkPv_xpv mgteZfute lkLb cDqj Pvbi | Abpib Kti ZLb Zvi v GtK Abt_tK dj cHJU MhY Kivi mthwM cVq |
 - **AbjnÜvb ev mgm_wfEJK** (Inquiry or Problem-Based): MVber`i gj K_v ntQ mgm_v i mgvab| G tPfK lkPv_xpv AbjnÜvb K cxiZi gva tg ckeKti, tKtbi lkQj mÜb Kti Ges mgvab ev DËi cvl qvi Rb wifbocxiZ i tKskj cDqM Kti |
 - **ieKvkgvb** (Evolving): lkPv_xpv Zt`i chqj Pvbi | Abpib gva tg cte® AifRZ tKtbi Ávb tK AmZ | AmxuY® gtb KtZ cti | tmPfK Zvi v AbjnÜvb gva tg bZb imxvtsi tcQite| cDpov Pvji tq hute Ges bZb Ávb | AifÁZwfiEz cejä imxvsl cDpmS vi Kite |
- 8.3 MVber`i m‡_ mgMzver`i (Gestalt Theory) tek woj AvtQ| Gestalt Rvgib ká hvi A_ Structure ev MVb | lkLb cDqj avi Yv MVb c„K c„K Dci`vbi Dci bq, mgm_wfute Dci`vbi tji vi Dci wbfP Kti | MVber`i l gj K_v avi Yv MVb hv wbfP Kti lkPv_xpv cejä avi Yv, Ávb, AifÁZv | cwi cwk Ae`vi Dci | mgm_wfver` Abjhvqx tPvL, Kvb, ZK BZw` Bw`tq,tj v Øiv Avgiv th Z_,tj v cvB tm,tj v K Avgiv gtb gtb cY® i/c t`B, Avi MVber`i gZ Avgiv Gme Bw`tqMn Z_,tj v w t q cDZK -Zsj GKU gibimK wP Zvi i gva tg AifÁZv ARB Kvi | Gfute AifRZ AifÁZv GKUji Dci GKU mWRFtq lkLb m¤ubekvi |
9. **lkLb-tkLvb Kihpgug cniPvj bvi KivZcq cxiZ i tKskj**
- lkPv_xi lkLb AtbKstK wbfP Kti lkPv_xi KZK cwi Pvji Z cxiZ i tKskj i Dci | lkPv_xi PgZv i cEYZv Ges cvVi einkto i wfEz cxiZ i tKskj wbePb Kiv cDqjRb| cxiZ i tKskj mWK ntj Ges h_vh_fute cDqM Kiv ntj lkPv_xi mnR lkLZ cti | GLvtb KtqKU cxiZ i tKskj i msWIB cwi Pq t`i qv ntj v:
- 9.1 **ckeDEi cxiZ** (Question-Answer Method)
- ckeDEi GKU euj cPj Z i KihKt cxiZ | G cxiZi mWK cDqM Mi gva tg lkPv_xi K m¤uq tifL lkLtb mnthwMZv Kiv hvq | wifbocxiZ tK ckeKiv ntq _tK tKtbi Rb cke lkLbdj ARB cniqjci Rb cke tKb wtkl Ktg® DcthwMZv hvPb Kivi Rb cke BZw` tek KtqKU aib itqfQ |
- 9.2 **cikKivi ixiZ**
- mg`i tkil DfK Kti ckeKiv| cDqg tKtbi lkPv_xi K wv`i Kti ZtK ckeKiv ntj tkil Ab` lkPv_xiv wv®i yK, AgtbtvHmX ntZ cti | mevBtK m¤uq ivLvi Rb mg`i tkil DfK ckeKiv ntq |
 - wPši Kti DËi lkQj mvq f`i qv |
 - DËi `vib k;Lj v eRvq ivLvi | cvi M lkPv_xiv nvZ DVte| mevi GKmt_ DËi t`i qvi Af`vm ZvM KivZ nte |
 - lkPv_xi K wv`i Kti DËi w tZ ej v| GKB lkPv_xi K evi evi DËi t`i qvi myhwm bv w t q chqjutg mevBtK myhwm t`i qv| cDqjRtD DËi `vib Bw`Z w t q mnvqZv Kiv| DËi mWK bv ntj Ab` lkPv_xi K DËi w tZ ej v |
 - mWK DËi cpiweE Kiv |
 - Gici cte®nvZ DVvq ib Ggb Acvi M lkPv_xi K GKB cDkje DËi w tZ ej v |
 - cDqjRtD AbjnÜvb cke(probing question) Kiv| GKU cDkje DËi t_tK th ckeRvM ZtK AbjnÜvb ckej v ntq |
- 9.3 **cke aib**
- cDkje fviv nte mnR i tkil DcthwMx |
 - cDkje lkPv_xi wPši DfK tckK i tckY m¤oKvix| ØKbØ, ØKfiteØ, ØKvi Y KØ, ØevLv KØ, ØetkjY KØ, Øzj v KØ BZw` Øiv ckeKiv ntj wPši Kti DËi tei KtZ ntq |

- thme cikie DEi ômii ev ôbiô Ggb cikobr KivB fvj | ſyZ wfP cikethgb ôKxô, ôfKô, ôKu_vqô, ôKapU ev ôKdK ejj ôBZ w cikobZU mœ ciui nvi Kiv|
 - chqutg Ggbfvte cikobr thb cikangni DEi t_tK weiqe^- mœutK^- úo avi Yv jvf Kiv hvq | cikobRtb cikobEii gitS gitS Avtj vPbv Kiv|
 - AbjñÜbgj K cikob(probing question) A_P GKU cikie DEi t_tK D^M^Z cikob
Kti weiqi cYzv Avbv cikobRb | thgb-
gi cikobv vj tq kkyv_xP i Mo DcW^Z KZ?

DËi : mvavi Y mgħaq 85%, wekk l- mgħaq 50%

AbnÜvbgj K cœwtkl mgfq Kg tKb?

DĚI : avb tivcY | avb KvUvi tqšm

AwffveKtK mnwqZv Kti ZvB Zvi v e`v j tq Avtm bv|

9.4 ַקְפִּיקִי קִיְּבָקִי

- mW^K D^E† i Rb[„] w[¶]v[¶] K Drmvn c^övb
 - f^j D^E† i Rb[„] w[¶]b[¶] Rbv I w[¶]L[‡]Z Ab[¶]c^öYv t[^] I qv
 - mW^K D^E† i c^öh[¶] t[¶]tb Av^j vPbv gva[¶]tg ari Yv j v[¶]f mnvqZv Kiv
 - w[¶]v[¶] K c^ök[¶]i[‡]z m[¶]h[¶]m t[^] I qv, DrmvnZ Kiv Ges w[¶]v[¶] c^ökie D^Ei t[^] I qv

10. *j MZ mnθhwMZvgj K wkPv cxiwZ*

‘j MZ mnthwMZigj K cxiZ GKIJ mdj lkLbcxwZ| G cxwZtZ GKB
eqtputgi ev GKB chqiqi lkPvñi ci-úi wg_w-évi gta”tg lkPv jvf Kti |
GtPvñi lkPvtKi fngKv ctivP lkS’ iazcY® `j MZ KtRi gta”tg cñZuJ
lkPvñi i ay ÁvB- PZiB epx cinq bv, mvt_ mvt_ tek lkQy gvbneK, Yveij i
weKvk NtU| K_v tkubvi I K_v ej vi k;Lj v AbmIY, cigZ mnñòZv, tbZZ;
mgtsiZv BZ’w , Yveij i weKvk NtU|

10.1 `j MVb

newfbfente `j MVb Kiv hvq| mg-mvgt_® wkpiv_® i `j, ngk^a mvgt_® wkpiv_® i `j, welqwfEK `j, AÂj wfEK `j BZw| Atbk tptif^b ngk^a mvgt_® `tj i myeav Ab^ct i tptq wKQjv teuk| cÖz cüVi Rb^d ev cÖz wel tqi Rb^e bZb Kti `j MVb Ki‡Z tM‡j Atbk mgq j vtM| ZwB tkivwkpK

(whib c^ūg wciq^ūW Kym tbb) `j MVb Kit^ūb| c^ūq^ūR^ūb GK g^ūm Aši^ū Aši^ū
bZb K^ūi `j MVb Kit^ūb| G^ūZ w^ū¶v^ū i w^ūg^ū w^ū¶vi ciw^ū mi epx crq| GKB
tki^ūYi newfb*œ*l^ūtqi w^ū¶KMY tk^ūYi w^ū¶K KZ^ū M^ūNZ `j ,tj v^ūKB `j MZ K^ūR^ū
w^ūb^ūq^ūWZ Kit^ūb| c^ūz^ūU `tj i AvKri 6Rb t^ūK 8Rb ntj fij , Z^ūe 10R^ūb^ūi
teuk n^ūl qv ev^ūAbxq bq| c^ūZ^ūK `tj i GK^ūU K^ūi bvg w^ūKtj m^ūear nq| dj , dj ,
c^ūW^ū, b^ūx ev is Gi bvg `tj i bvg i v^ūL hvq|

10.2 `jMZ Kv¶Ri Avmb web¶vm

‘j MZ KvRi Avmb web̄m Ggb n̄te hv̄Z `t̄j i mKj w̄k¶v_®gtLvgjL emtZ
cv̄ti | tkw̄K¶v_i AvKvi eo nt̄j Ges ch®B Avmevec† _vKt̄j, c̄z `j tMj
tUet̄j i Pvi cv̄tk®emt̄e| Gi fc Avmevec† bv _vKt̄j cvKv tḡStZ gr̄f i l tMj
n̄tq emt̄Z cv̄ti | bZev c̄l̄g te‡Ai w̄k¶v_®v N̄ti w̄Zxq te‡Ai gtLvgjL emt̄e,
Gfv̄te ZZxq te‡Ai N̄ti PZL®te‡Ai gtLvgjL | G‡¶t̄i c̄z `t̄j i w̄k¶v_®i t̄K
ci ci `t̄et̄A emt̄Z n̄te| w̄k¶K `j MZ KvR eStq t̄l qvi mv̄_ mv̄_B
`j exfv̄te etm `j MZ KvR i i Kt̄Z n̄te| Avmevec† UvbvUmb Kt̄i mgq bo
Kiv hv̄te bv̄|

10.3 jMZ KvR Kivi cüqu

- `tj fM nI qui AvtMB mgteZ KtM wKPK `uó Kti `j MZ KvR ejStq w`teb|
 - wKPK `tj i GKRbtk GKwU KvRi Rb` `j tbZv gtbvbqb w`teb| ch@qmu tg` `tj i cÖZ KtK `j tbZvi `wqZi w`teb|
 - wKPK `tj fM ntq emte| `tj i cÖZ tk weI qwU wbtq wPši Kitel| Zvi ci Avtj vPbv iia Kitel| GKRb K_v ej vi mqg Ab`iv gb w`tq i`bte| K_vi gytS tKD K_v ej te bv| Zte Avtj vPbv Ah_v xNcev cñh½ ewnfQ ntj `j tbZv f`vte wbgSY Kitel|
 - `tj i cÖZ tk Avtj vPbv AskMöY Kitel|
 - Avtj vPbv gra`tg ZE; Z_ , h³ Dc`vcb I h³ LÉb Kitel|
 - Kvti v K_v AcO` ntj ev gbtctz bv ntj `ah@ati i`btz nte, cti h³ w`tq LÉb Kiv hute, iM Kiv ev Atkvfb AvPiY Kiv hute bv|
 - tRvi Kti Ab`t i Dci wbtRi gZvgZ Pwctq t`l qui tPov Kiv hute bv|

- Avtj vPvri dj vdj `tj i m̄xvš̄nm̄te ej L̄Z n̄te Ges mevBtK tgbw bbtZ n̄te|
- cieZ̄Z mgteZ K̄m̄ik̄tKi wb̄t` Rb̄m̄ti H Avtj vPvri `j tbZv `tj i c̄t̄te` b Dc̄t̄cb Kīte| Ab̄ `tj i c̄t̄te_k̄tj `tj i ct̄t̄ th tK̄tbv GKRb D̄Ei w̄te|
- `j MZ KvR Pj vi mgq tK̄tbv gZ̄t̄bK̄ ev mgm̄v t̄ Lv w̄tj `j tbZv nvZ Ztj ik̄t̄Ki wb̄t` Rb̄ PvBt̄e|

10.4 `j MZ KvRi aib

`j MZ KvR c̄t̄bZ Ab̄m̄Übgj K ev mgm̄wrfi EK̄ n̄te| `j MZ KvRi weI q w̄Psl̄ D̄t̄xcK, m̄Rbkxj I weI k̄d Yagr̄n̄te| mn̄avi Y Z̄Ei Z̄_ ev Ávbgj K Rvbvi weI q `j MZ Avtj vPvri weI q n̄q bv| Ztj Z Ab̄m̄Üb ev w̄Psl̄ D̄t̄xcK ik̄t̄Koy v̄t̄K bv|

10.5 `j MZ KvRi K̄t̄k̄t̄D̄vniY

K. evsj v̄t̄k t̄_K wevfbacRwZi c̄wL μgMZ wejβ n̄l qvi KviY I Zt̄i i t̄v̄i Dcvq Ab̄m̄Üb|
 L. M̄gi wb̄t̄i gybj̄t̄K t̄_t̄ m̄t̄PZb Kivi t̄t̄t̄ik̄t̄i K̄t̄K̄t̄i Ki Yq w̄bañY|
 M. cix̄t̄t̄Yi grāt̄g wevfbacKvi gw̄ui eñkó w̄yZKiy|
 N. evsj v̄t̄k̄t̄i w̄kīt̄i Añakvi i t̄v̄q mi Kvi, mgvR I AñffvetKi Ki Yq w̄bañY|
 O. GK̄U Ab̄t̄Q̄t̄i mviggD̄ w̄ub|

10.6 `j MZ KvRi weI q w̄nm̄te m̄vK bq-

K. Ab̄cvZmn evqj Dcv`vbmḡt̄ni bvg
 L. evsj v̄t̄k̄t̄i f-c̄K̄t̄i eYb̄
 M. m̄vK̄t̄kmḡt̄ni ivRavbx, RbmsL̄v I gv̄w̄icQyAvq
 N. c̄igiyj MVb eYb̄
 O. Z̄_ Añakvi AvBb eYb̄

10.7 `j MZ KvRi grāt̄g w̄Lb `j Zvi Aemwb

ik̄t̄K̄t̄i t̄KD t̄KD wevfbacKivt̄Y w̄bañiZ ik̄Lbdj AR̄ K̄t̄Z ct̄i bv| avivewm̄K gj̄ w̄qt̄bi grāt̄g w̄Lb `j Zvi w̄b̄m̄úbeik̄t̄K̄t̄i i w̄v̄yZ K̄t̄i Zt̄i Rb̄ weI k̄l̄ `j MZ KvRi eñeñ Kiv hvq| G t̄t̄t̄i GKB tk̄i wi GKRb

w̄Lbdj AR̄Kvi x t̄P̄Sk̄m̄ ik̄t̄K̄t̄i j tbZv w̄nm̄te `tj i Ab̄t̄ i t̄K w̄Lb mn̄thwMzv Kivi `w̄qZj t̄i qv n̄q| ik̄t̄K̄t̄i j tbZv t̄K̄t̄i c̄t̄t̄b c̄t̄qRbxq wb̄t` Rb̄ w̄tq t̄b | mgch̄t̄qi ik̄t̄K̄t̄i w̄P̄viv Ab̄ w̄Lb ik̄t̄K̄t̄i t̄K w̄Lb mn̄thwMzv t̄i qv t̄K̄t̄i Peer Learning ej v n̄q|

10.8 `j MZ KvR Pj vKvj xb ik̄t̄K̄t̄i Ki Yq

`j MZ KvR Pj vKvj xb ik̄t̄K̄t̄i N̄i N̄i c̄t̄t̄K̄t̄i j KvR ch̄t̄t̄Y K̄t̄eb| thL̄t̄b hLb c̄t̄qRb wb̄t` Rb̄ I mn̄qZv w̄t̄eb| cieZ̄Z `j MZ KvR Dc̄t̄t̄bi mgq f̄j̄ -áw̄š̄ev Am̄úYzv _w̄K̄t̄j aw̄tq w̄t̄eb|

c̄t̄k̄t̄ Cxw̄Z (Demonstration Method)

c̄t̄k̄t̄ Cxw̄Zi gj̄ K̄v n̄t̄j v t̄K̄tbv ik̄t̄K̄t̄i t̄L̄t̄q ḠU m̄út̄K̄t̄ avi Yv j v̄f ik̄t̄K̄t̄i t̄K̄tbv mn̄qZv Kiv| t̄K̄tbv ik̄t̄K̄t̄i Dc̄t̄t̄b i ay eYb̄ ev Avtj vPvq mn̄gve x bv t̄t̄K̄t̄i Zv t̄L̄t̄bv n̄t̄j avi Yv j v̄f mn̄R n̄q Ges Ḡt̄Z ik̄t̄K̄t̄i AvM̄b I Drmn̄ eñp̄ c̄vq| G c̄xw̄Zt̄Z c̄t̄Vi weI q m̄sik̄o ev̄t̄ ēt̄ ev c̄t̄t̄fite c̄t̄qy t̄L̄t̄q eYb̄, Avtj vPv ev c̄t̄t̄D̄Ei i grāt̄g avi Yv j v̄f mn̄qZv Kiv n̄q| thgb- GK̄U Rev dt̄j i Ask, t̄j v t̄L̄t̄q dt̄j i Ask, t̄j vi m̄út̄K̄t̄ avi Yv AR̄b mn̄qZv Kiv; t̄k̄t̄K̄t̄i ik̄t̄K̄t̄i m̄ḡt̄b h̄š̄cw̄Z m̄st̄hRb K̄t̄i t̄L̄t̄i m̄t̄_ c̄vZj v mv̄j w̄dDm̄i K Ḡm̄W w̄ḡt̄k̄q w̄B̄t̄Wt̄Rb c̄t̄Z K̄t̄i t̄L̄t̄bv BZ̄w̄|

AñbK t̄t̄t̄i ev̄t̄ ēt̄ ev NUb̄ m̄vwm̄i t̄L̄t̄bv m̄t̄e n̄q bv| tm̄t̄t̄i Aaer̄t̄ei mn̄vñh avi Yv j v̄f mn̄qZv Kiv hvq| thgb- P̄v̄ ev m̄hñb̄Y m̄út̄K̄t̄ avi Yv j v̄fi Rb̄ t̄k̄t̄K̄t̄i w̄m̄i ev w̄w̄fñwi grāt̄g ḡw̄eñgñwqñ c̄vex| P̄v̄ i w̄R w̄R K̄t̄c̄t̄ Nñb̄ t̄L̄t̄q Mñb̄ Nñv i weI qU c̄vñvi Kiv hvq| c̄t̄Rñi ev ḡw̄eñgñwqñ bv _w̄K̄t̄j P̄v̄Uñ grāt̄g t̄L̄t̄bv hvq| t̄v̄j -t̄c̄t̄c̄xw̄Zt̄Zi t̄k̄t̄Lbdj hvq| t̄t̄t̄i weI k̄t̄i ik̄t̄K̄t̄i evB̄t̄i wb̄tq ev̄t̄ NUb̄ c̄t̄t̄fite t̄L̄t̄q ik̄t̄K̄t̄i j v̄f mn̄qZv Kiv hvq| thgb- fñgñt̄qi KviY, t̄j v c̄t̄t̄i t̄L̄t̄bv hvq| m̄t̄e n̄t̄j HñZñwñK t̄t̄b wb̄tq wevfbacb` k̄b t̄L̄t̄q i eYb̄ K̄t̄i avi Yv j v̄f mn̄qZv Kiv hvq| thgb- K̄t̄j vi t̄K̄tbv w̄vñt̄i c̄vñi k̄b wb̄tq ZrKij xb teñxñfñ Zv m̄út̄K̄Rb̄t̄Z mn̄vñh Kiv|

cōkō cxiZtZ lkPv_ř i AbjñÜrmv ejx cvq | mnR mñK avi Yv jvf Kitz
cv̄i | lkLb AtcPvKZ `xN°lq nq | cōkō cxiZtZ jP ivlZ nte thb me
lkPv_ř úo t̄ LfZ cvq |

12. AbjñÜbgj K Kv̄Ri aib

AbjñÜbgj K Kv̄R gj Z KgPKv`K cxiZ | WDBi mñqZv ZtEj wflEz
cwi Pwq Z G cxiZtZ lkjv_xPv GKfvte ev `j MZfvte wbtRf`i cPóvq
wbqgZwšK cxiZtZ lkjv jvf Kti _vtK | G cxiZtZ lkjv_xPv tbB wq
NUbv ev mgm̄vi KviY, dj vdj , cZlqy BZw D'Nub Kti | b̄_c̄ ch̄j vPv,
cwi kō, ch̄ePjY, mvPvKvi M̄Y bvbvfvte AbjñÜvb Kv̄R cwi Pvj bv Kiv hvq |
D'vni Y-
➤ h̄emgytRi AvKvK ms-Zi c̄Z c̄Yzv ejx i KviY | dj vdj
➤ lkí AAtj evqy`t̄Yi KviY | dj vdj
➤ Lv` Drvc`tb AwZgvvq i mñqkK KxUbvKK `e eentii i c̄Zlqy

12.1. AbjñÜbgj K cxiZtZ lkLb c̄lqy

c̄Z'KvU AbjñÜtbi Rb` GKvU wq ev mgm̄v wbePb Kitz nq | G cxiZtZ
hveZxq KvhPig c̄lqy cwi Pvj Z nq | ch̄q, tj v nt̄Q-
K. mgm̄v/Df̄K mbaY
L. cwi Kí bv c̄lqb
M. Z_ msM̄
N. Z_ wtkdY
O. c̄Zte`b c̄lqb

me°cōfg KvhPig mgm̄v PvYz Kiv ev Df̄K mbaY Kitz nq | wZxq ch̄q
mgM̄KvhPig Rb` cwi Kí bv c̄lqb Kitz nq | Df̄K AR̄bi Rb` Kx Kx Kitz
nte, t̄KvbuU Kfvte, Kx w̄tq, KLb Kitz nte-G meB cwi Kí bvq _vtK | Z_
msM̄ AbjñÜbgj K Kv̄Ri GKvU , iazcY°li | c̄lqy ev tm̄KUwi Drm n̄Z
Z_ msM̄ Kitz nte | PZy°ch̄q Z_ wtkdY | dj vdj c̄lqb Kitz nte |
mēKl lkjv_x mñY AbjñÜbgj K Kv̄Ri Dci GKvU c̄Zte`b c̄lqb Kite |

13. lkLb- tkLvtbv KvhPig mñutKqKvU K_v

lkLb-tkLvtbv cxiZ | tKskj AtbK aībi | Gi KtqKvU lkPvKtKv`K Ges
KtqKvU lkPv_řKv`K | lkLb-tkLvtbv c̄lqy q lkPv_ř mñq AskM̄Y
lkPv_ř v̄f mnqK | me cxiZiB KḡeMk mjeav | Amjeav Av̄Q | Ggb tKvbtv
cxiZ ev tKskj tbB thw mKj lkPv_ř Rb` mgfvte DcthvMx ev me aitbi
w̄lqe`i Rb` DcthvMx | lkPv_řKv`K | w̄lqfbecxiZ | tKskj i Dci `PvZv Ges tkvW
I cwi DcthvMx cxiZ | tKskj i h_vh_ c̄lqy Mi Dci w̄fP Kti lkPv_ř lkLb
mndj | Ggb tKvbtv eva evaKvZ tbB th GKvU cwi cwi Pvj bvq lkPv_řKv GKvU
cxiZi Dci w̄fP Kitz nte | cwiK dj ch̄-Kivi Rb` lkPv_řKv cwi w̄lZ Abjñti
GKwaK cxiZ | tKskj i msqkY w̄tRi gtZv Kti cwi Pvj bv Kitz c̄tib |
c̄tib vi mndj w̄fP Kti lkPv_řKv w̄lqAvb | lkLb cxiZi h_vh_
c̄lqy Mi Dci | Grb` ej v nq lkPv_řKv mñtPvKv cxiZ | lkPv_řKv`K lkLb-
tkLvtbv cxiZ eúwea | GLv̄b gv̄ KtqKvU lkPv_ř mñq cxiZ mst̄PvC Dc̄vcb
Kiv nt̄j v | Zte lkPv_řKv AwAK msL'K cxiZ | tKskj i Dci `PvZv _kv
c̄lqy Rb | Znt̄j w̄lZ th tP̄t̄ th cxiZ DcthvMx Zv c̄lqy M Kitz c̄tib |
c̄lqy Rb GKwaK cxiZi msqkY w̄tRi gtZv Kti cwi Pvj bv Kitz c̄tib |
cwi cwi Pvj bvq mgq lkPv_řKv h̄w eſtZ c̄tib th c̄lqy MKZ cxiZ lkjv_xPv i
lkLb d̄j c̄h-n̄t̄Q bv ZLb w̄lZ cxiZi eZb Kitz c̄tib | ZvB lkPv_řKv`i eú
cxiZi Dci `PvZv _kv AvelK |

14. lkjv_xPj vqb

mvaviY At_°lkjv_ř gj vqb nt̄j v lkjv KvhPig t̄_K lkjv_ř AR̄bi gv̄v
w̄Yq Kiv | A_P lkjvPtg Df̄jLZ ce°bañiZ lkLbdj lkjv_řKZv AR̄b
Kti t̄Q Zv w̄bfcYB lkjv_ř gj vqb | h̄w I gj vqb K_wñi w̄lZ AtbK
ēvck | Avgiv w̄lqfbomgtq bvbvfvte lkjv_ř gj vqb Kti _wñK | gj vqb bi mgq
I aib w̄etePbñq lkjv_ř gj vqb c̄lqbZ `B aviv : (K) MVbKvJ xb ev avivewñK
gj vqb Ges (L) mgwñK gj vqb | Avgiv cwi Pj vKvJ xb ev w̄lZ cwi vsk t̄_K
lkjv_ř AR̄b gj vqb Kti _wñK | G gj vqb avivewñK ev MVbKvJ xb gj vqb |
Avevi Avgiv w̄lZ mgq tk̄l ev KvhPig tk̄l mgwñK cixjv, ewñK cixjv,
GmGmñ cixjv BZw cixjv gj vqb Kti _wñK | G aitbi gj vqb nj

- mvgwóK gj ḫqb | avivewnK I mvgwóK Dfq avivi gj ḫqtbi B c̄lqRb AitQ |
Ztē avivewnK gj ḫqtbi ,iažjAtbK teik | KviY-
- avivewnK gj ḫqtbi gvačg wkyv_ři PřyZ wklb `přZv ZvřyňYK wbt`Rbv
cōvbi řiv wbgqgj K eē`tbl qv hvq |
 - wkyv_ři nřZ-Kj tđ eēnwi K KvR Kvi c̄lqRb chfeytYi gvačg gj ḫqb Kti
wbt`Rbv t` lqv hvq |
 - wkyv_ři wěkli wKQz `yZv, thgb- tkvbv, ej v, cov BZw` Kg mgčq, Kg
LiťP I mnřR c̄wgc Kti aitc aitc wbt`Rbv t` lqv I wbgqgj K eē`tbl
qv hvq | mvgwóK gj ḫqtbi gvačg AtbK týtři Gme řektoři gj ḫqb Kiv
møe nq bv |
 - wkyv_ři AvtēMq wKmgv wěkli Kti eřřK I mvgwRK AvPiY Ges
gj ḫeva c̄lqRb chfeytYi gvačg gj ḫqb Kti wbt`Rbv t` lqv hvq |
 - G gj ḫqtbi gvačg wkyK Zui eēüZ wklb tkLvbv c̄wZ I tKšktj i
h_yZv I dj c̄hZv wbařY Kti ev `přZv PřyZ Kti c̄lqRbxq c̄wZ
AvbřZ c̄vřib |

15. avivewnK gj ḫqb

avivewnK gj ḫqtbi gvačg wkyv_ři `přZv PřyZ Kti wbt`Rbv t` lqv hvq Ges
c̄lqRb wbgqgj K eē`tbl MøY Kiv hvq |
evsj vřt k 60 třK 10g tkv chři wbaři LZ `přU týtři avivewnK gj ḫqb
Kvhřig Pj te |

1. wělqwfřEK ejxēřq | gtbvčikR týtři avivewnK gj ḫqb
2. AvtēMq týtři avivewnK gj ḫqb

15.1. wělqwfřEK ejxēřq | gtbvčikR týtři avivewnK gj ḫqb

- wělqwyK wělqwfřEK ejxēřq | gtbvčikR týtři avivewnK gj ḫqb
Ktēb
- c̄lqU wělq avivewnK gj ḫqtbi Rb eivř KZ břt 20%

c̄lqU wělq avivewnK gj ḫqtbi týtři břt eřb :

týtři	břt
K. tkvYi KvR	10
L. ewoi KvR I AbjñÜbgj K KvR	05
M. tkvY Afryv	05
tgyU	20

c̄lq wělq wkyK KZK -^ -^ wělq c̄lq wkyv_řK 20% břt i wřřt
avivewnK gj ḫqb Kti wbaři Z 0řK gj ḫqb ti KWmsi yY Kiv nte |

15.1.1. tkvYi KvR

- wklb-tklvřbv Kvhřig Pj wkvj xb wkyv_řKZK mřuň Z hveZxq KvR tkvYi
KvR wnmřte wělqPZ | wělqřtři tkvYi Kvhři aitb Zvi Zg_ _křZ c̄vři |
AraKvsk týtři B c̄kři DEi ej v ev tj Lv, Avkv (Př/Qu, mviY, gvbřPř,
třj LřPř), Avtj vPbv I wěZřKřAskMřY, Přiř-Avřfbq, eēnwi K KvR-G
aitbi me wKOB tkvYi KvR | evsj v BstřiR wělq tkvbv, ej v, cov, tj Lv
BZw` tkvYi KvR wnmřte wělqPZ nte |
- c̄lqU wělq Rb c̄lq mvgqřK wžbu tkvYi Kvři gj ḫqb ti KWmsi yY Kiv
nte | thme wělq eēnwi K KvR AvřQ (wěAvb, c̄vřeAvb, i wqb, RxeAvb,
Kvři wkyv, MnřwěAvb, kvři K wkyv I -ř-, KgřI Rxebrj wkyv BZw`)
Hme wělq GKvU eēnwi K KvR I `řU tkvYi Kvři ti KWřiLv nte |
- wělqwyK KZK wbaři Zfřte c̄lqK wkyv_řK gj ḫqb Kiv nte Ges c̄lq `ř
gřm GKevi Kti c̄lq mvgqřK (Oq gřm) 3evi gj ḫqb ti KWmsi yY Kiv
nte |

15.1.2. ewbi KvR

- *likyv_xevoiZ likyv_yugwEK th KvR, tj v mruobekti ZvB emoi KvR | emoi KvR likyv_yGKKfvte mrubekite GuVB cLwikkZ | likyK mwoZ nteb th, likyv_xGKyB KvRwU mrubekti tQ| emoi KvRi gvatg likyv_xPShb `yZv Ges eW3K AvPiY I gj teva gj vqb Kiv nte| emoi KvR gj vqb Kti likyK likyv_y iK cOqRbxq likLb mnvqZv w'feb | likyvutgi likLbdtj i Pwn`vi Dci wfE Kti likyK emoi KvR w'feb |*
 - *j y iwlZ nte emoi KvR thb likyv_yK gL` Kivq DrmnwZ bv Kti | emoi KvR Ggb ntZ nte thb likyv_yK PShb `yZv weKvk Ges mRbkj Zv cKutki mthwM _vtK |*
 - *tkWkty AvRZ avi Ymgm PShi I KvRi cOqM Kivi mthwM thb emoi KvRi _vtK | emoi KvR thb likyv_yK mRbkj cOke cLwikkZ mnvh Kti tmw`tk , iazj w'Z nte| likyv_yug gWw: likLb tkLuPbv KihPug Kj vtg cOE emoi KvR bgbw mnvte AbymY Kiv thtZ cvi |*
 - *cOZw uel tqi emoi KvR, tj v Ggb nte hv likyv_y 20-25 mgwtUi gta` mruob`b KitZ cvi | likyK cOZ mgwtK tkWytZ cOqRbxq msL`K emoi KvR w'feb | Zte tiKWmsi yYi Rb` lO t_kK Aog tkWytZ weAvb, eisj vt`k I wekciPq, Z_` I thwMthwM cOZ, Kg@I Rxebgyx likyv Ges Kwi qui likyv uel tq cOZ mgwtK cOZ emoi KvRi gj vqb I tiKWmsi yY Kiv nte | lO t_kK Aog tkWytZ Abvb` uel tqi Rb` 3iU emoi KvRi gj vqb I tiKWmsi yY Kiv nte| beg I `kg tkWytZ HwQK uel qQov mKj uel tq cOZ mgwtK cOZ emoi KvRi gj vqb I tiKWmsi yY Kiv nte | tiKWmsi yYi Rb` mtePb b@t cOB emoi KvR, tj vtK wePbv KitZ nte| likyK th tkLuPbv b@t i emoi KvR w'Z cvi b| Zte GtZ cOB b@t k 5 Gi gta` cOB b@t i cvshi Kti tiKWmsi yY KitZ nte | i cvshi ci fMusK b@t ntj fMusK b@t mnvte msiyY KitZ nte |*

15.1.3. AbmÜvbgj K KvR

AbjnÜvgj K KtRi gva tg wkyv_m mgm v mgvarb `yZv Ges Psb `yZvi
weKvk NtU | AbjnÜvgj K KtRi Rb` KtqK NEv t_tK KtqK w`bi c`qRb
ntZ c`ti | wkyK weI qJ wba Y KtI t`eb |

॥bañi Z avc Abñi Y Kti AbñÜvgj K KvR msúbaKite Z nte | ló t_lik Aog
tkñY chSí mgm̄v wPiyZ Kiv, cwi Kí bv cñqb I Z_ msMñni chñeyY
Uj m/wmWDj /cñqyj v cñqb wkyK Kti wñteb | Z_ msMñ AbñÜvb KvRi
GKUJ tgñj K eñkó hv wkyv_x@btRiv msúbaKite | Z_ msMñ hZ + mñe
wkyv_x@ cwi evi, cñztekx Ges wñKU Gj wKvq mxgix vñLtz nte | Z_ msMñn
wkyv_x@ wñicEvi weI qñU wetePvq iñLtz nte | Z_ msMñn wkyv_x@ thb
weEzKi Aeñq bv cñto wkyK Zv wñbñZ Kiteb | weAvb weI qmgñni Rb
Z_ msMñ Mñel YñMñti cixyñYi gvañg nñZ cñti | AbñÜvgj K KvR iñia
mgMñcñq wKite msúbaKite Z nte wkyK Zv ewStq wñteb |

c̄Bgwi I tm̄tKūwi Drm nt̄Z Z_ msM̄ Kiv h̄te| w̄k̄yv_x̄c̄Z_ wet̄ki t̄Yi
gva t̄g dj vdj c̄Vqb Ges dj vd̄t̄j i Dci gZvgZ w̄te| mgM̄Kvh̄pt̄gi Dci
GKuJ c̄Zte`b i Pbv Ki t̄Z nte| c̄Zte`b m̄ub̄e Kvt̄Ri eYv _Kt̄e|
c̄Zte`b c̄Vqt̄bi w̄b̄t̄ Rbv w̄k̄yK w̄teb| AbjnÜvb gj K KvR w̄k̄yv_x̄p̄
`j MZFt̄te m̄ub̄e Kite| Zte Z_ wet̄ki Y, dj vdj c̄Vqb, dj vd̄t̄j i Dci
gZvgZ c̄vb Ges w̄t̄c̄Uc̄Vqb w̄k̄yv_x̄c̄GKKf̄te m̄ub̄e Kite| G Kvt̄Ri
gj w̄qb nte GKK gj w̄qb| beg I `kg tk̄y t̄Z w̄k̄yv_x̄p̄ w̄k̄y t̄Ki b̄bZg
m̄vnh̄ w̄b̄t̄ AbjnÜvb gj K KvR m̄ub̄e Kite| w̄k̄yK th t̄Kv t̄b v b̄t̄ii Rb̄
AbjnÜvb gj K KvR w̄t̄Z c̄v t̄b| Zte Gt̄Z c̄B b̄t̄t̄K 5 Gi gta c̄B b̄t̄i
iſciſli Kti t̄i KW̄msi ȳY Ki t̄Z nte| iſciſli ci fMusk b̄t̄ nt̄j fMusk
b̄t̄ w̄m̄vte msi ȳY Ki t̄Z nte|

15.1.4. tk̄y Afxyv

c̄ZU Aāq tk̄l tk̄Y Afxyv t̄l q̄ n̄t̄ | Z̄e AāK b̄t̄c̄B Afxyv b̄t̄
ti KW̄ivL v̄ n̄t̄ | tk̄Y Afxyv D̄ic̄l ik̄yv_&K t̄ L̄evi ci t̄diZ w̄t̄q
msīyY Kiv n̄t̄ | thme w̄t̄q ēenwi K KvR Av̄Q Hme w̄t̄q `̄U ēenwi K
I GK̄U v̄j WLZ Afxyv ti KW̄msīyY Kiv n̄t̄ | Ab̄v̄ w̄t̄q v̄ZbuU v̄j WLZ
Afxyv ti KW̄ivL v̄ n̄t̄ | ēenwi K Kv̄Ri gj̄ v̄q̄bi ḡv̄` E tk̄Yz m̄ūw̄Z
ēenwi K Kv̄Ri Ab̄j̄c̄ n̄t̄ | tk̄Y Afxyv v̄j WLZ ev ēenwi K n̄t̄ | c̄ZU
tk̄Y Afxyv `f mḡ t̄l q̄ n̄t̄ | w̄t̄qi Rb̄ v̄bāi Z K̄m v̄ci q̄w̄ t̄l q̄
n̄t̄ | v̄bāi Z GK K̄m v̄ci q̄w̄i AāZw̄i³ mḡ t̄l q̄ h̄te bv̄ | tk̄Y Afxyv
`b tk̄Yi Ab̄v̄ v̄ci q̄w̄i t̄fweK KvRKḡh_v̄i Z Pj tē |

16. AuteMq t̄ȳt̄i avivevnK gj̄ v̄qb

ik̄yv̄t̄g ik̄yv̄_x̄p ēw̄3K Db̄t̄bi Dci , īZj Autevc Kiv n̄t̄q̄Q | GKRb
ik̄yv̄_x̄ īayt̄gavex nt̄j B n̄t̄ bv̄ Z̄t̄K f̄v̄j v̄gb̄l I n̄t̄Z n̄t̄ | f̄v̄j v̄gb̄l ī
, Yewj ARB KīZ n̄t̄ | GKRb ik̄yv̄_x̄f̄v̄j v̄gb̄l v̄Kbv Zv Rvb̄Z nt̄j Z̄i
AvPiY I `̄ōf̄w̄ gj̄ v̄qb KīZ n̄t̄ | avivevnK gj̄ v̄q̄bi ḡv̄`ḡ ik̄yv̄_x̄
ēw̄3K AvPiY I mḡRK gj̄ teva gj̄ v̄qb Kiv n̄t̄ | wēv̄t̄q ik̄yv̄_x̄ ī
AvPiY I mḡRK gj̄ teva t̄Kv̄tbv GK̄U NUb̄ ev Bm̄ `w̄t̄q Z̄r̄ȳWKFv̄te
gj̄ v̄qb Kiv h̄q bv̄ | wēv̄t̄q ik̄yv̄_x̄t̄k̄Yi Kv̄Ri c̄v̄v̄c̄m̄k c̄ZibqZ ēū
KḡR̄t̄E AskM̄Y Kīt̄ | G, t̄j v̄ nt̄j v̄ `w̄bK mḡtek, t̄Lj vaj v̄ I μox̄,
m̄v̄s̄WLZ Kv̄F̄g, ik̄yv̄_md̄ I c̄w̄_k̄θ, Rv̄Zq `w̄ em D̄h̄v̄cb, aḡq Ab̄j̄v̄b,
wēAv̄b tḡj v̄, M̄YZ Av̄j w̄q̄w̄, et̄qR `w̄D̄Um, M̄j R̄M̄BW, wēḠb̄m̄m̄ Ges
c̄w̄tek msīȳt̄Yi Kv̄F̄g BZ̄w̄ | ik̄yv̄_x̄ ī wēfb̄c̄KḡR̄t̄Ei gā `w̄t̄q `x̄
ch̄f̄eȳt̄Yi ḡv̄`ḡ Z̄t̄ ī AvPiY I gj̄ teva m̄ūPK GK̄U `w̄f̄P̄t̄h̄M̄ gj̄ v̄q̄b
Avmv h̄q | ik̄yv̄t̄g AuteMq t̄ȳt̄i ik̄Lbdj gj̄ v̄q̄bi Av̄l Zv̄ Av̄b n̄t̄q̄Q tm̄, t̄j v̄
nj - `w̄q̄v̄b̄w̄Z̄v̄, t̄ k̄tc̄ḡ, tbZZ; mZZv, k;Lj v̄, mn̄thwM̄Zv, m̄p̄q
AskM̄Y, m̄n̄ōZv, m̄PZbZv | mḡv̄b̄w̄Z̄v̄ |

tk̄Yik̄yK Ab̄v̄ w̄l q̄k̄ȳt̄Ki m̄t̄_ c̄v̄gk̄K̄t̄i AuteMq t̄ȳt̄i gj̄ v̄qb
Kīt̄b | ti KW̄msīyY Kīt̄b |

17. mḡqK c̄ix̄v | c̄vevnK c̄ix̄v

RiZiq ik̄yv̄ug 2012 Gi w̄b̄`Rb̄ Ab̄j̄n̄t̄i wēv̄t̄q ik̄yv̄el̄ Qq ḡmēv̄cx̄
`̄U mḡq̄t̄K f̄M Kiv n̄t̄ | c̄Z Qq ḡv̄m̄ GK mḡqK w̄nm̄t̄e c̄Z ik̄yv̄eQ̄t̄i
`̄U mḡqK c̄ix̄v Ab̄j̄Z n̄t̄ | c̄Z mḡqK c̄ix̄v tk̄l av̄ivevnK gj̄ v̄q̄t̄b
c̄B b̄t̄t̄K GK̄U Z K̄t̄ | `̄U mḡq̄t̄K c̄ix̄v q̄c̄B b̄t̄ Ges av̄ivevnK
gj̄ v̄q̄t̄b c̄B b̄t̄i ī mḡst̄q c̄Z ik̄yv̄_H c̄ieZ̄P̄D̄PZi tk̄Y ev Kv̄F̄t̄g
D̄b̄Z Kivi w̄l q̄ w̄tePb̄ Kiv n̄t̄ |

mḡqK Ges c̄vevnK c̄ix̄v c̄kēt̄ c̄v̄q̄b Ges D̄ic̄l gj̄ v̄qb m̄Rbkj̄
c̄kēx̄Zi w̄b̄`Rb̄ Ab̄j̄n̄t̄i msM̄WZ n̄t̄ | ik̄yv̄ēt̄P̄t̄iZ w̄l q̄k̄ȳK c̄v̄b
ik̄ȳt̄Ki m̄t̄_ c̄v̄gk̄K̄t̄i ik̄yv̄t̄g c̄E Aāv̄qm̄ḡt̄K `̄U mḡq̄t̄Ki Rb̄
ēEb̄ Kīt̄b | wēv̄t̄q ik̄yv̄ēt̄mi c̄w̄gīt̄Yi Dci w̄f̄E K̄t̄i Aāv̄qm̄ḡt̄K
mḡq̄t̄K ēEb̄ Kīt̄Z n̄t̄ | c̄g mḡq̄t̄K gj̄ v̄qbKZ Aāv̄qm̄ḡt̄K `̄U
mḡq̄t̄K gj̄ v̄q̄bi Rb̄ ēenvi Kiv h̄te bv̄ | Z̄e Aog I `kḡ tk̄Yi c̄vevnK
c̄ix̄v (JSC, SSC) Rb̄ GB w̄b̄`Rb̄ c̄th̄R̄`bq̄ w̄l q̄k̄ȳK tm̄ Ab̄j̄n̄t̄i c̄w̄
Kv̄F̄g c̄w̄Pj bv̄ Kīt̄b | mḡqK tk̄l Ab̄j̄q̄ c̄ix̄v ik̄yv̄t̄g w̄l q̄ Ges
c̄t̄i Rb̄ ēiv̄KZ c̄Ȳb̄t̄i n̄t̄ | ik̄yv̄ug īct̄iLvi w̄l q̄Kw̄t̄ḡq
w̄l q̄i c̄Ȳb̄t̄i t̄ l q̄ Av̄Q |

m̄Rbkj̄ c̄kēx̄Zi c̄kēt̄i `̄B āt̄bi c̄kēv̄K̄t̄e | GK̄U n̄t̄Q ēub̄ePb̄ c̄kē
Ges AcīU n̄t̄Q m̄Rbkj̄ c̄k̄e ēub̄ePb̄ c̄kēt̄i w̄b̄ āt̄bi ēub̄ePb̄ c̄kē
v̄K̄t̄e | G, t̄j v̄ n̄t̄Q m̄vari Y ēub̄ePb̄ c̄k̄e ēuc̄ x̄ mḡw̄m̄PK ēub̄ePb̄ c̄kē
Ges Aif̄beZ̄ w̄f̄E K ēub̄ePb̄ c̄k̄e ēub̄ePb̄ c̄kēt̄i w̄Ps̄b̄ `̄yZvi Pvi
`̄t̄i c̄kēAv̄b̄c̄ZKn̄t̄i v̄K̄t̄e | m̄kj Aāv̄q̄t̄K c̄ix̄v Av̄l Zv̄`ḡt̄i K̄t̄Z
n̄t̄ | c̄kēt̄i c̄v̄q̄bi c̄tēt̄b̄`Rk̄ QK `z̄w̄ K̄t̄Z n̄t̄ | c̄ZU m̄Rbkj̄ c̄kē
GK̄U D̄ix̄K v̄K̄t̄e Ges D̄ix̄t̄Ki m̄t̄_ 4̄U c̄kēv̄K̄t̄e | c̄kē4̄U `w̄t̄q w̄Ps̄b̄
`̄yZvi Pvi w̄l (Av̄b̄, Ab̄v̄eb̄, c̄q̄m̄ Ges D̄PZi `̄yZvi) h̄Pb̄ Kiv n̄t̄ |
b̄t̄ c̄v̄b̄ w̄b̄`Kv̄ Ab̄j̄n̄t̄i Y K̄t̄i D̄ic̄l gj̄ v̄qb Kīt̄Z n̄t̄ |

වික්‍රීම දොශ්‍ඨ මුසිකෝ කිගලු

μηρK	bvg I c` ve	Kvgyj UtZ c` ve
1.	W. Kvgyj Ave` j bvtmi tPSaj x mPe, ikýv gšYvj q, evsj vt` k mPeij q, XvKv	mfvicwZ
2.	DcvPvh, RvZq wekle` vj q, MvRxcj	m` m``
3.	W. KvRx Lj xKb/avgib Avng` tPqri gvb, evsj vt` k Dbqb cwi l` I mfvicwZ, evsj vt` k A_θmZ mgyiZ	m` m``
4.	hM-mPe (gva`ngK), ikýv gšYvj q, evsj vt` k mPeij q, XvKv	m` m``
5.	gnvcwI Pvj K, gva`ngK I D'Pikjyv Aia` Bi, XvKv	m` m``
6.	gnvcwI Pvj K, RvZq ikýv e e` vcbv GKvTwx, avbgÜ, XvKv	m` m``
7.	gnvcwI Pvj K, evsj vt` k Kvni Mvi ikýv Aia` Bi, AvMvi Mvi , XvKv	m` m``
8.	cwi Pvj K, AvBBAvi, XvKv wekle` vj q, XvKv	m` m``
9.	cldmi tgvt tgvt bV Kvgyj Dvli b tPqri gvb, RvZq ikývug I cW`cj K teW© XvKv	m` m``
10.	tPqri gvb, gva`ngK I D'Pqva`ngK ikývteW© XvKv	m` m``
11.	tPqri gvb, evsj vt` k Kvni Mvi ikývteW© XvKv	m` m``
12.	tPqri gvb, evsj vt` k gvr` vni ikývteW© XvKv	m` m``
13.	m` m` (ikývug), RvZq ikývug I cW`cj K teW© XvKv	m` m``
14.	cldmi W. gnwaf RvdI BKerj wefvimq clvb, KvnuDUvi mftqÝ GÜ BiAbqwi s wefIM, kvnRvj yj weAvb I cW`cj wekle` vj q, mtj U	m` m``
15.	W. tgvt Qvli Ki ingyb cW`b AavcK I cwi Pvj K, ikýv I MteI Yv Bbw=JDU XvKv wekle` vj q, XvKv	m` m``
16.	AavcK W. tgvt AvLZvi a/avgib Bmj vtgi BiZhvM I ms`wZ wefIM, XvKv wekle` vj q, XvKv	m` m``
17.	AavcK kvnib gvnbev Keri BstjwR wefIM Rvnli/xi bMi wekle` vj q, mrvvi , XvKv	m` m``
18.	m` m` (cW`cj K ikývug), RvZq ikývug I cW`cj K teW© XvKv	m` m``
19.	(cW`cj K), RvZq ikývug I cW`cj K teW© XvKv	m` m``
20.	cKí cwi Pvj K, GmBGmwiic, gva`ngK I D'Pikjyv Aia` Bi, ikýv feb, XvKv	m` m``
21.	Dc mPe (gva`ngK), ikýv gšYvj q, evsj vt` k mPeij q, XvKv	m` m``

2. cōdkbvj KugwU

ԱՐԴՐ	ԽՈՂ Լ Ը ՎԵ	ԽՈՂՄՑ Հ Ը ՎԵ
1.	ԺՈՅՄԻ ՏԳՎԻ ՏԳՎԻ ԵՎ ԽՎՈՅ ՋՈՒ Բ ԻՊՎԻ ԳՎԲ, ՐՎՀԱԳ ԱԿՊՎԱԳ Լ ՇՈՎԿԵՐԿ ՏԵՎՈՇԽՎԿՎ	ՄՎԿՎԶ
2.	ԳՆՎԿՎ ՊՎԿ Կ, ԳՎԱՐԳԿ Լ ՇՈՎԿՎԱՆԱ ԲԻ, ԽՎԿՎ	Մ` մ`
3.	ԳՆՎԿՎ ՊՎԿ Կ, ՐՎՀԱԳ ԱԿՊՎԱՎ Ե Ե ՎԿԲՎ ԳԿՎՈՎԳ, ԱՎԲԳՈՒ, ԽՎԿՎ	մ` մ`
4.	ՇՈՅ ՊՎԿ Կ, ԱՎԲԲԱՎԻ, ԽՎԿՎ ՎԵԿԼԵՌ ՎՎ Ջ, ԽՎԿՎ	մ` մ`
5.	ԳՆՎԿՎ ՊՎԿ Կ, ԵՎՍՎ Վ ԳԿՎՈՎԳ, ԽՎԿՎ	մ` մ`
6.	ԳՆՎԿՎ ՊՎԿ Կ, ԲՄՅ ՎՐԳԿ ՃՎԴՒԿԲ ԵՎՍՎ ՎՒ Կ, ԽՎԿՎ	մ` մ`
7.	ՐԵՎԵ ԳԲՐԵՋ ԱՎՆՎԲ ԵՎ ԵՅ ՇԵՎԲ ՄԵՄՎԿ, ԷԿՎԼԽ ՒՄՎ ՎՐՖԿԲ ՎՎ ՎՐՈՒՎ, ԽՎԿՎ	մ` մ`
8.	ՇՈՅ ՎՎԿ ՊՎԿ Կ, ԳՄԲԳՄՎՎԿ, ԳՎԱՐԳԿ Լ ՇՈՎԿՎԱՆԱ ԲԻ, ԱԿՊՎԵԲ, ԽՎԿՎ	մ` մ`
9.	ԻՊՎԻ ԳՎԲ, ԳՎԱՐԳԿ Լ ՇՈՎԿՎԵՎՈՇԽՎԿՎ ԵՎՍՎ ՎՒ Կ ԱՎՏ ՏԵՎՈՇՄԳՇԱ ՄԵՎ ԿՈՂՈՒ	մ` մ`
10.	ԻՊՎԻ ԳՎԲ, ԵՎՍՎ ՎՒ Կ ԳՐ ՎՎՄՎ ԱԿՊՎԵՎ ՏԵՎՈՇԽՎԿՎ	մ` մ`
11.	ԻՊՎԻ ԳՎԲ, ԵՎՍՎ ՎՒ Կ ԿՎԻ ՄՄ ԱԿՊՎԵՎ ՏԵՎՈՇԽՎԿՎ	մ` մ`
12.	ԱԱՎԿ ԱՎԱՅ ԱՆ ԱՎԵՅՄՎՔ՝ ՇՈՅ ՊՎԿ Կ, ՎԵԿՄՎՀ ՎԿ Հ, ԽՎԿՎ	մ` մ`
13.	Վ. ՏԳՎԻ ԱՆՎԻ ԿԻ Ի ՆԳՎ ՇՈՎԳԿ, ԳՄԲԳՄՎՎԿ, ԳՎԱՐԳԿ Լ ՇՈՎԿՎԵՎ ԱՆԱ ԲԻ, ԽՎԿՎ	մ` մ`
14.	ԱԱՎԿ ԿԽՋ ՇԽ ԱՎՆՎ՝ ՇՈՎԳԿ, ՇՈՎԳԿ ԱԿՊՎԱՎ ԴԲՏ, ԳԲՄՎՄԵ, ԽՎԿՎ	մ` մ`
15.	ԺՈՅՄԻ ԳՆՎՎԾ ԱՎ Խ ԺՈՅԲ Մ` մ` ԱԿՊՎԱՎ, ԳԲՄՎՄԵ, ԽՎԿՎ (ԵՎՄՎ-ԾՄԲԿՈՒ-ՏԳՎԲՄ 8Գ ՀՎ (ՇՈՅ), 6/9, ԵԿ-Մ, յ Վ ԳՄԱՎՎ, ԽՎԿՎ-1207	մ` մ`
16.	ՎԽԲ, ՊՎԿ Կ Վ ԱՅ Ը, ԽՎԿՎ ՎԵԿԼԵՌ ՎՎ Ջ, ԽՎԿՎ	մ` մ`
17.	ԺՈՅՄԻ ՄՎ ԳՎ ԱՎԼՀՎԻ ԱՎԲԲԱՎԻ, ԽՎԿՎ ՎԵԿԼԵՌ ՎՎ Ջ, ԽՎԿՎ	մ` մ`
18.	ԱԱՎԿ ԱԿՊՎԿ ԿՎԿ Ր, ԽՎԿՎ	մ` մ`
19.	Մ` մ` (ԱԿՊՎԱՎ), ՐՎՀԱԳ ԱԿՊՎԱՎ Լ ՇՈՎԿԵՐԿ ՏԵՎՈՇԽՎԿՎ	մ` մ`
20.	ՇԵՎԲ ԱԿՊՎԿ, ՄԵԲԳՈՒ Վ ՎԵՎ ՄՎԲ ՎՎ Ջ, ԱՎԲԳՈՒ, ԽՎԿՎ	մ` մ`
21.	ՐԵՎԵ ՏԳՎԿ ՎԿ ԱՎՆՎ՝ ԲԲՎ ՎԵԶԻ Վ ԱՎԱՇԿ, ՐՎՀԱԳ ԱԿՊՎԱՎ Լ ՇՈՎԿԵՐԿ ՏԵՎՈՇԽՎԿՎ	մ` մ` -ՄՎՊԵ

μηρK	bug I c` ve	KugutZ c` ve
1.	cldmi tgvt Ave`j Re`Vi cldb cwi Pij K, btlqg, XvKv (ewo bs-7, moK bs-11, tm±i bs-4, DÉiv gtwj UvDb, XvKv-1230)	AvevqK
2.	Aa`vcK W. Aveynwig` jwzd mçvri wDgwi Aa`vcK, AvBBAvi, XvKv wekje` vij q, XvKv	m` m"
3.	cldmi Ave`jn menwb cldb gnvwci Pij K, cldgK wkp v Aua` Bi (im-8, evmv bs-52, tiw bs-6/G, aibgu Arevmk GjvKv, XvKv)	m` m"
4.	Aa`vcK W. tMyj vg imj ugqv cldb Aa`l, wPmqtUbs Ktj R, XvKv (evmv bs-47, tiw bs-02, tm±i -09, DÉiv gtwj UvDb, XvKv-1230)	m` m"
5.	W. tgvt wQil Ki ingvb civgkR GmBGmWic, gva`ngK I D"PkP v Aua` Bi, wkp v feb, XvKv	m` m"
6.	cldmi W. tgvt bvRgj Kvig tPSaj x e`e`vcbv wefM, XvKv wekje` vij q, XvKv	m` m"
7.	W. Avajj gvtj K Aa`vcK, AvBBAvi, XvKv wekje` vij q, XvKv	m` m"
8.	Rbve tgwnas RwkI tnvtmb wkp vg wetklA GmBGmWic, GbmwUie, XvKv	m` m"
9.	Rbve kvnxviv teMg wetklA, GbmwUie, XvKv	m` m"
10.	Rbve tgvt tgvtj m Di ingvb wetklA, GbmwUie, XvKv	m` m"
11.	Rbve tgvt din`j Bmj vg EaYzb wetklA, GbmwUie, XvKv	m` m"-mPe

μ<small>η</small>gK	bv<small>g</small> I c`ne	KvgUtz c`ne
1.	evsj v	1. Aa`vcK Ave`j in Aveymwq` cwi Pij K, wekjhwnZ` tK`^, Xikv 2. cldmi b! Rvnvb teMg Aa`q, mi Kwi weAvb Ktj R, Xikv
2.	Bst<i>i</i>R	1. cldmi Ave`jn menvb c!b gnvcwi Pij K, cld <i>ig</i> K wkp!v Avia` Bi , Xikv (im-8, emv bs-52, tiW bs-6/G, abgnU AvewmK Gj vKv, Xikv) 2. cldmi tgjt kvgmj nK c!b Wxb, evsj t! k Dbj!b wekje `vj q, MvRxcj (emv bs-25, GvciUfgU-w-5, tiW bs 68G, j kvb-2, Xikv-1212)
3.	MvYz	1. cldmi W. tgjt Avaj guZb MvYz wefvM, Xikv wekje `vj q, Xikv 2. cldmi W. tgjt Avajm Qvgv` MvYz wefvM, Xikv wekje `vj q, Xikv
4.	weAvb	1. cldmi W. tgjt AwRRj i ngub c`v weAvb wefvM, Xikv wekje `vj q, Xikv 2. Rbve tgjnw!S b!i Avj g mn!i Kx mnthwMx Aa`vcK, AvBBAvi , Xikv wekje `vj q, Xikv
5.	evsj t! k I wekjhwnPq	1. cldmi W. nviab Di ijk` ivoleAvb wefvM, Xikv wekje `vj q, Xikv 2. W. ^mq` nwdRj i ngub mnthwMx Aa`vcK, cni tek weAvb wefvM Rvnvxi bMi wekje `vj q, mrfvi , Xikv
6.	Z_ I thwMthwM c!b!b	1. cldmi W. gnw!S RvdI Bkej KrwUDUvi mrtqY GU BwAvbqwi s wefvM kvnRvj yj weAvb I c!b!b wekje `vj q, mn!j U 2. Rbve tgjt mrdJj Avj g Lvb mnKvi x Aa`vcK, Z_ c!b!b BYwUDU, Xikv wekje `vj q, Xikv
7.	cni tek cni PnZ	1. cldmi W. G Gm Gg gikmj Kvgvj FZE! wefvM, Xikv wekje `vj q, Xikv 2. cldmi W. tgjt Lexi D! xb cni tek weAvb wefvM, Rvnvxi bMi wekje `vj q, mrfvi , Xikv

5. ॥**କ୍ୟୁମ୍ବିଙ୍ ଦୋଷ କୃତି**॥

ଶ୍ଲୋକ : MwZ		ତକାଳି : Iô-Aog
ଶ୍ଲୋକ	ବନ୍ଦେଶ୍ଵର	କୃତିଶ୍ଲୋକ
1	Aa'vC K m̄t̄j n ḡZb m̄t̄eK gn̄vci Pij K, c̄l̄_ḡK ūk̄P̄ Aā` Bi, XvKv 539 c̄l̄d̄g t̄kl̄ ov̄ c̄v̄o, ūgi c̄j, XvKv	AneeqK
2	W. Agj K̄ò nvj `vi c̄l̄d̄mi, MwZ m̄f̄vM, XvKv m̄ek̄p̄e` ``vj q, XvKv	m` m"
3	W. tḡt̄ tḡnmxb D̄l̄ b mn̄thMx Aa'vC K, -j Ae Gw̄KKb ev̄sj v̄t̄` k Db̄j̄p̄ m̄ek̄p̄e` ``vj q, MwRxc̄j	m` m"
4	Rb̄ve tḡt̄ d̄l̄` D̄l̄ b c̄l̄b ūk̄P̄ K, XvKv K̄t̄j̄ m̄R̄t̄qU -j , XvKv	m` m"
5	Rb̄ve tḡt̄ kvnRvn̄b m̄i vR mn̄Kvix ūk̄P̄K, Meb̄fḡU j̄ v̄t̄i Uwi nvB -j , XvKv	m` m"
6	Rb̄ve tḡt̄ Avej Kj̄ vg AvRv̄` mn̄Kvix ūk̄P̄K, ḡZiSj̄ mi Kwi ev̄j K D̄P̄ m̄e` ``vj q, XvKv	m` m"
7	Rb̄ve nw̄ḡ` v ev̄byteMg EāvZb m̄et̄k̄l̄ Á, Gb̄m̄ūl̄e, XvKv	m` m"
8	Rb̄ve tḡt̄ bw̄mi D̄l̄ b m̄et̄k̄l̄ Á, Gb̄m̄ūl̄e, XvKv	m` m"
9	Rb̄ve bv̄Rbx̄b AvLZvi Kwi Kj̄ vg m̄et̄k̄l̄ Á, GmBGm̄Wic̄, Gb̄m̄ūl̄e, XvKv	mḡš̄qKvix

ଶ୍ଲୋକ : MwZ		ତକାଳି : beg-` kg
ଶ୍ଲୋକ	ବନ୍ଦେଶ୍ଵର	କୃତିଶ୍ଲୋକ
1	Aa'vC K m̄t̄j n ḡZb m̄t̄eK gn̄vci Pij K, c̄l̄_ḡK ūk̄P̄ Aā` Bi, XvKv 539 c̄l̄d̄g t̄kl̄ ov̄ c̄v̄o, ūgi c̄j, XvKv	AneeqK
2	W. Agj K̄ò nvj `vi c̄l̄d̄mi, MwZ m̄f̄vM, XvKv m̄ek̄p̄e` ``vj q, XvKv	m` m"
3	W. tḡt̄ tḡnmxb D̄l̄ b mn̄thMx Aa'vC K, -j Ae Gw̄KKb ev̄sj v̄t̄` k Db̄j̄p̄ m̄ek̄p̄e` ``vj q, MwRxc̄j	m` m"
4	Rb̄ve tḡt̄ kvnRvn̄b m̄i vR mn̄Kvix ūk̄P̄K, Meb̄fḡU j̄ v̄t̄i Uwi nvB -j , XvKv	m` m"
5	Rb̄ve tḡt̄ Avej Kj̄ vg AvRv̄` mn̄Kvix ūk̄P̄K, ḡZiSj̄ mi Kwi ev̄j K D̄P̄ m̄e` ``vj q, XvKv	m` m"
6	Rb̄ve nw̄ḡ` v ev̄byteMg EāvZb m̄et̄k̄l̄ Á, Gb̄m̄ūl̄e, XvKv	m` m"
7	Rb̄ve tḡt̄ bw̄mi D̄l̄ b m̄et̄k̄l̄ Á, Gb̄m̄ūl̄e, XvKv	m` m"
8	Rb̄ve bv̄Rbx̄b AvLZvi Kwi Kj̄ vg m̄et̄k̄l̄ Á, GmBGm̄Wic̄, Gb̄m̄ūl̄e, XvKv	mḡš̄qKvix

neq : D'Pzi MwZ

μηgK	bvg c`we	KwŋUžZ c`we
1	W. tgvt Avāj gwZb cōdmi, MwYZ wefM XvKv wekje`vjq, XvKv	AvnevqK
2	W. tgvt AvBbj Bmj vg cōdmi, MwYZ wefM XvKv wekje`vjq, XvKv	m`m"
3	W. tgvt Avājñ Qigv` cōdmi, MwYZ wefM XvKv wekje`vjq, XvKv	m`m"
4	W. Agj Kō nj `vi cōdmi, MwYZ wefM XvKv wekje`vjq, XvKv	m`m"
5	Rbve b̄i tgvnv̄s cīv̄l K, weqg gtWj -j Gū Ktj R, XvKv	m`m"
6	Rbve tgvt bwmi Dw̄b wekje`vjq, Gbimilie, XvKv	m`m"
7	Rbve bvRxb AvLZvi Kwŋ Kj vg wekje`vjq, Gbimilie, XvKv	mgšqKvix

tkg : beg-`kg

6. mwēR mgšq KwŋUž

μηgK	bvg c`we	KwŋUžZ c`we
1.	Rbve tgvnv̄s Rv̄Ki tnv̄mb Kwŋ Kj vg wekje`vjq, Gbimilie tdv̄Kvj ctq̄U Kwŋ Kj vg tWtfj ctq̄U BDnbU Rv̄Zxq wkyv̄ug cWc̄y K teW̄, XvKv	mwēR mgšqKvix
2.	Rbve tgvnv̄s Avng` fBqv weZiY wbqšK Rv̄Zxq wkyv̄ug cWc̄y K teW̄, XvKv	mwēR mgšqKvix

íkýimug

MwYZ

Iô-Aóg tköö

1. f_{ig}Kv

M_{YZ} P_Ši v_R w_{Pi} Y_{Kvi} x K_i b_we_j v_mx_i t_{Kej} A_vb_^ t_i q_{vi} M_E t_{cw}i t_q A_ab_v m_ER_bb_b M_Yh_MZ_v j v_f K_it_Q | A_vb w_Ab Ges Z_{_} c_h³ i e_vc_K D_bq_b M_Yz_i e_{envi} | c_qM GL_b m_ER_bb_b | me[¶] |

w_{eg}Z[®]avi Y_vt_K ev₋t_{le}i m_vt_{_} m_pu³ K_i c_Ly_xK_it_Yi k_w³k_vj x n_wZ_{vi} | g_va_g n_fQ M_{YZ} | g_vb_ji P_Ši k_w³ w_EK_vt_K g_va_g t_g th_w³K w_{Pi} | w_tk_dY D_bq_b R_b M_{YZ}, i_ZC_Y[®] f_{ig}Kv c_j b K_i | e_Aw_bK | c_h³M_Z K_gR_t[¶] i k_yv_¶ i m_pu³ Ges G_{Kk} kZ_tK_i P_vt_j Ä t_{gv}K_te_j v_{Kvi} j t_y M_{YZ} k_yv_i D_{ci} w_tk_l, i_ZA_vi v_c K_i n_fq_tQ | M_Yz_i w_bR[^] b_v w_bK_v D_ct_fM K_i h_q m_Rb_kj K_vt_{Ri} g_va_g | M_WY_WZ_K mgm_v mgv_at_bi g_vt_S v_tK Ac_vi A_vb_^ | w_Z b_Zb R_bK_j w_Yg_j K M_WY_WZ_K mgm_v Z_wi Ges mgv_ab K_i g_ta_B A_šb_{ln}Z A_vt_Q M_{YZ} w_{ccv}m_j i R_b M_WY_WZ_K t_m_s h[®]Ges A_vb_^ | GB A_vb_^ t_{eva} k_yv_¶ i M_{YZ}g_b K_i t_{Zv}t_j |

h_p³ i AeZ_vi Y_v, w_tk_dY | g_vb_uM_K DrK_I m_va_tb c_wU M_{YZ}t_K m_vsnZ K_i l_o, m_Bg | A_óg t_KY_tZ w_eb_^ K_i n_fq_tQ | M_WY_WZ_K mgm_v Z_wi Ges mgv_at_bi D_{ci}, i_ZA_vi v_c K_i n_fq_tQ | A_wK_S M_Yz_i A_tb_K mgm_v m_nt_{RB} t_mt_{Ui} avi Y_v e_{envi} K_i mgv_ab K_i h_q | Z_vB GB t_i t_mt_{Ui} avi Y_v | c_qM ms_{th}R_b K_i n_fq_tQ | A_wb_K M_Yz_i P_wn_vi A_vt_j v_K exRM_{YZ}t_K D_ct_fb K_i n_fq_tQ | h_p³g_j K R_wg_Z l_o t_KY_tZB t_i t_g K_i n_fq_tQ Ges b_Zb A_wz_tK ((new approach) Gi D_ct_fb_v K_i n_fq_tQ | Gi m_vt_{_} m_vz_i t_it_L e_{envi} K R_wg_Zi D_{ci} t_{Rvi} t_i q_v n_fq_tQ | k_yv_¶ i M_{YZ} f_wZ_^ t_i K_i A_wb_v | D_rm_{vn}x K_i A_wf_ct_Q c_vU t_b¶ A_vl Z_vq t_Mg | c_vR_j ms_{th}R_b K_i n_fq_tQ | c_wU M_{YZ}, exRM_{YZ} i R_wg_Z mgš_q K_i c_wt_{ekb} K_i n_fq_tQ | d_tj mgm_v mgv_at_b c_wU M_{YZ}, exRM_{YZ} ev R_wg_Z e_{envi} t_i m_{th}M v_{Kte} | G_tZ k_yv_¶ M_WY_WZ_K h_p³ i AeZ_vi Y_v K_i th_MZ_v Ges p_ši c_wai w₋z N_Ut_e |

2. Dtřík"

1. MwYZ wkyvq Drmvnx | AvMôx ntq thšv³K Ges MVbgj K wPšlq Dôx nl qv |
2. wewfbačKvi msLvi ēenkó" m¤útK°avi Yv j vf Kti MwYvZK mgm"v MVb Ki‡Z Dôx ntq Zv mgvarb myg nl qv |
3. HwKK, AbçvZ | kZKi v msþvšlmgm"v mgvarb `¶Zv ARø Ki v |
4. cwi gyc m¤úKZ Ávb | eēenwi K `¶Zv ARø Ki v |
5. exRMwYZxq m†vevj AvqE Ki v Ges m†vevj cōqvtMi gva"t g mgm"v mgvarb Ki‡Z cviv |
6. c"vUb©i tj LwP† m¤útK°avi Yv j vf Kti mgm"v mgvarb Ki‡Z cviv |
7. exRMwYZxq mgxKi‡Yi avi Yv j vf, mgxKi Y MVb | mgvarb myg nl qv |
8. R"wgwZK mgm"v mgvarb bi wewfbačši ntZ mteřKwU wbePtb mg_©nI qv |
9. MwYvZK Dw³i mZvZv hvPvB Ki v `¶Zv ARø Ki v |
10. R"wgwZK wP† A½tbi mnvth" wkyv | KgRxetb nVZ | tPvL eēenvti i tKškj iß Ki v |
11. tmU | tmUi Kvhřea tRtb MwYvZK mgm"v mgvarb Ki‡Z cviv |
12. Z_ -Dcv‡Ei cñuqvKi Y | tj LwP‡i mnvth" Dc"vcb Ges tK`iq cëYZv wbyfq `¶Zv j vf Ki v |

3. cōšK nklbdj

eyxeĘq

1. ၊fweK msL̄v, gj̄` I Agj̄` msL̄v, eMgj̄, c̄vUb̄I tj̄ LIP̄ eȲv Kit̄Z Ges newfbœaitbi c̄vUb̄Oj̄ L̄tZ I GZ` nsjušlnewfbœgm̄vi mgvab Kit̄Z cvi te|
2. ^bu` b Rxetb AbycZ-mgybçvZ, HKK mbqq, kZKiv, jvf-¶WZ I gþdv m¤úKZ mgm̄vi mgvab Kit̄Z cvi te|
3. c̄i gytci newfbœcxW eȲv Ges ^bu` b Rxetb Gi eenvi m¤úKZ mgm̄vej i mgvab Kit̄Z cvi te|
4. c̄yñsL̄v I Pýhþ msL̄v `ewkó` eñL̄v K̄ti c̄qM Kit̄Z cvi te|
5. exRMñYZxq iwk eȲv Kit̄Z cvi te Ges c̄xK, Pj K, mnM, mPK, Pýhþ msL̄v BZw̄ i gva tg Zv c̄vk Kit̄Z cvi te|
6. exRMñYZxq iwk thM, metqM, Y I fM Kit̄Z cvi te Ges GZ` nsjušlmgm̄vi mgvab Kit̄Z cvi te|
7. exRMñYZ Zi c̄og PvñU etMº m† I Nbdjt i m† eȲv Kit̄Z cvi te Ges G, tj̄ v c̄qM exRMñYZxq iwk gvb mbYø Kit̄Z cvi te| |
8. exRMñYZxq iwk Drcv`‡K metkdi Y Kit̄Z cvi te Ges M.mv., I j.mv., mbYø Kit̄Z cvi te|
9. exRMñYZxq iwk fMñtki avi Yv eñL̄v K̄ti Gt̄ i thM, metqM, Y I fM Kit̄Z cvi te Ges GZ` nsjušlmgm̄vi mgvab Kit̄Z cvi te|
10. mij mgxKiY I mij mnmgxKiY MvB Ges mgvab Kit̄Z cvi te|
11. DñniY I c̄xK i mnvñh̄ tmU eñL̄v Kit̄Z cvi te Ges tmU c̄qM eenvi i gva tg newfbœgm̄vi mgvab Kit̄Z cvi te|
12. RñgñZi tgñj K neIq, tj̄ v eñL̄v K̄ti mgm̄v mgvab Kit̄Z cvi te|
13. mgvñij mij ti Lv I tQ`K Øiv DrcbœtKvñYi `ewkó` eȲv I c̄qM Kit̄Z cvi te|
14. ñftRi `ewkó` eñL̄v Kit̄Z cvi te Ges ñfRmsjušl tgñj K Dccv` c̄yY K̄ti c̄qM Kit̄Z cvi te|
15. meñgZv I m`kZv `ewkó` eñL̄v K̄ti tgñj K Dccv` c̄yY Ges mgm̄v mgvab Kit̄Z cvi te|
16. PZñTRi agñej eñL̄v Kit̄Z cvi te Ges MñYñZK Dw³i mZv hvPvB, c̄yY I c̄qM Kit̄Z cvi te|
17. cñB(π)Gi aii Yv eñL̄v K̄ti ejEi tyñdj I ciñmgv mbYø Kit̄Z cvi te|
18. eE nsjušl tgñj K Dccv` c̄yY Kit̄Z cvi te Ges GZ` nsjušlmgm̄vi mgvab Kit̄Z cvi te|
19. Z_ I DcñE nñZ Mo, gañK, cñiK mbYø K̄ti G m¤úKZ mgm̄v mgvab Kit̄Z cvi te|

AvtelMiq

1. msL̄v nbtq tLj vi grātg newfbomsL̄wfĒK tLj v̄ Zwi‡Z m‡Pó n‡e |
2. ^ b̄` b Rxetbi mnR MwYwZK mnme nbtKv‡k HwKK nbgq, kZKiv I Abc‡Zi c‡qyRbxqZv DcJ w‡ K‡i mnme Kit‡Z Drmwnx n‡e |
3. exRMwY‡Zi m‡_ cwiPZ n‡q exRMwYZxq mgm̄v mgvar‡b AwMbx n‡e |
4. exRMwYZxq mgxKiY Mvb K‡i mnR mgm̄v mgvar‡b AwMbx n‡e |
5. tm‡Ui mnwth̄ Z_‡K b̄` nbtKfv‡e Dc‡v‡b m‡Pó n‡e |
6. MwYwZK mgm̄v mgvar‡b thši³K wPšlq D0x n‡e |

gtbt‡cikR

1. h_yh_fv‡e QK KmR ēenvi K‡i tj LwP† A‡b Kit‡Z cvi‡e |
2. mij mgxKiY I mij mn mgxKi‡Yi mgvarb tj LwP† †` L‡Z cvi‡e |
3. tj LwP†i mnwth̄ mij mnmgxKi‡Yi mgvarb Kit‡Z cvi‡e |
4. ^ b̄` b Rxetb newfbom‡Z‡Z cwi‡gvc Abgvb Kit‡Z cvi‡e |
5. h_yh_ (appropriate) cwi‡gvcK ēenvi K‡i AwqZvKvi Nbe^, NbK, tKvYK, tej b I eEwKwZ e^-i tÿ†dj cwi‡gvc Kit‡Z cvi‡e |
6. c‡E Z‡_i wfwE‡Z DcKiY ēenvi K‡i RwgwZK wP† A‡b Kit‡Z cvi‡e |
7. Z_-Dc‡E‡K tj LwP† c‡kvk Kit‡Z cvi‡e |

4. cőšk uklbdj i tköwfEK wefvRb

Ió tkö	cőg Aa''vq	mBg tkö	cőg Aa''vq	Aog tkö	cőg Aa''vq	cőšk uklbdj
<p>cővk Kiv hvq th, Aa''vq tk‡l ikyv_xPv- epxeEiq</p> <p>1. t'fweK msLvi A%cvZb KitZ cvite </p> <p>2. t'kxq I AvšRwZK ixxZ‡Z A%cvZb Kti co‡Z cvite </p> <p>3. wefvR''Zv e''Lv KitZ cvite </p> <p>4. 2, 3, 4, 5, 9 Øviv wefvR''Zv hvPvB KitZ cvite </p> <p>5. mvaviY fMusK I `kugK fMuski M.mv. I j.mv. wYq KitZ cvite </p> <p>6. mvaviY fMusK I `kugK fMuski mij xKiY Kti MmMwZK mgm'vi mgvavb KitZ cvite </p> <p>AvteMq</p> <p>7. msLv mœfK tK\$Zaj x n‡q wewfbœ ai‡bi msLwfEK gRvi gRvi tLj vq Drmwñ n‡e </p>	<p>cővk Kiv hvq th, Aa''vq tk‡l ikyv_xPv- epxeEiq</p> <p>1. gj` I Agj` msLv kbr³ KitZ cvite </p> <p>2. msLv‡i Lvq gj` I Agj` msLv Ae''b t'Lv‡Z cvite </p> <p>3. msLv eMøl eMøj e''Lv KitZ cvite </p> <p>4. Drcv'K I fW cœqvi gva''g eMøj wYq KitZ cvite </p> <p>5. msLv eMøj cœZ,tj v cœqM Kti ev'e Rxe‡bi mgm'vi mgvavb KitZ cvite </p>	<p>cővk Kiv hvq th, Aa''vq tk‡l ikyv_xPv- epxeEiq</p> <p>1. cœUb⁹Kx Zv e''Lv KitZ cvite </p> <p>2. wewfbœai‡bi cœUb⁹ij L‡Z I eYv KitZ cvite </p> <p>3. AvtiwcZ kZøhvqx mnR cœUb⁹ij L‡Z I eYv KitZ cvite </p> <p>4. cœUb⁹b⁹ wø`øZg msLv tei KitZ cvite </p> <p>5. cœUb⁹K Pj ‡Ki gva''g exRMwYZxq iwlgyj iq cœkv KitZ cvite </p>	<p>AvteMq</p> <p>6. msLv wø‡q tLj vi gva''g wewfbœ msLwfEK tLj v ^Zwi‡Z mtPó n‡e </p> <p>7. wewfbœ msLwfEK tLj v ^Zwi‡Z mtPó n‡e </p>	<p>cővk Kiv hvq th, t' tk‡l ikyv_xPv- epxeEiq</p> <p>1. t'fweK msLv, gj` I Agj` msLv, eMøj, cœUb⁹I tj LwP̄ eYv KitZ Ges wewfbœai‡bi cœUb⁹ ij L‡Z I GZ`nspsi wewfbœ mgm'vi mgvavb KitZ cvite </p> <p>AvteMq</p> <p>2. msLv wø‡q tLj vi gva''g wewfbœ msLwfEK tLj v ^Zwi‡Z mtPó n‡e </p>		

Iō tkö	ØZiq Aa vq	mBg tkö	ØZiq Aa vq	Aög tkö	ØZiq Aa vq	cöšk ikLbdj
cÖ'vkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eyxeĘq 1. AbçvZ Kx Zv eYLv KitZ cvi te 2. mij AbçvZ msjušl mgmvi mgvab KitZ cvi te 3. kZKivtk mavi Y fMusk Ges fMusktK kZKivq cKvk KitZ cvi te 4. HıKK wbqg I kZKiv mmvtei cxıZ eYbv KitZ cvi te 5. HıKK wbqg I kZKiv mmvtei mmvth • mgq I KvR • mgq I Lv" • mgq I `tZi wełqK MwYıZK mgmvi mgvab KitZ cvi te AvteleMq 6. ^bw`b Rxetbi mnR MwYıZK mmvte wbKvtk MwYıZi cıqRbxqZv Dcj w KitZ cvi te	cÖ'vkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eyxeĘq 1. eüimKK I avivewK AbçvZ eYLv KitZ cvi te 2. mgubçvZi avi Yv eYLv KitZ cvi te 3. mgubçvZ msjušl mgmvi mgvab KitZ cvi te 4. HıKK I AbçvZ eenvi Kti ev'e Rxetb • mgq I KvR • bj I tPSev"Pr • mgq I `tZi • tbškv I tmıZ wełqK mgmvi mgvab KitZ cvi te 5. jvf-¶ıZ Kx Zv eYLv KitZ cvi te 6. jvf-¶ıZ msKısl mgmvi mgvab KitZ cvi te 7. Ki , fıU, Kugkb I ḡ wełqgq msjušl ‰bw`b Rxetbi mgmvi mgvab KitZ cvi te AvteleMq 8. ^bw`b Rxetbi mnR MwYıZK mmvte wbKv KitZ Drmvnx nte	cÖ'vkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eyxeĘq 1. gþvdv Kx Zv ej‡Z cvi te 2. mij I Pþewx gþvdvi nvi eYLv KitZ cvi te Ges G msjušl mgmvi mgvab KitZ cvi te	cÖ'vkv Kiv hvq th, -i tk‡l ikyv_xPv- eyxeĘq 1. ^bw`b Rxetb AbçvZ- mgubçvZ, HıKK wbqg, kZKiv, jvf-¶ıZ I gþvdv mmvthZ mgmvi mgvab KitZ cvi te			
						AvteleMq 2. ^bw`b Rxetbi mnR MwYıZK mmvte wbKvtk HıKK wbqg, kZKiv I AbçvZi cıqRbxqZv Dcj w Kti mmvte KitZ Drmvnx nte

Iô tkö	mßg tkö	ZZiq Aa vq	Aóg tkö	ZZiq Aa vq	cöšk wLbdj
	<p>cÖvkv Kiv hvq th, Aa vq tkö lkyv_xPv- eþeþxq</p> <p>1. ^ N°cwi gvtci AvštmúK°eYLv KitZ cvite Ges G msprvslmgmvi mgvavb KitZ cvite </p> <p>2. I Rb I Zij c`v_! AvqZb cwi gvc Kfvte Kiv nq Zv eYLv KitZ cvite Ges G møúKZ mgmvi mgvavb KitZ cvite </p> <p>gtbvtcikR</p> <p>3. newfbetj eenvi Kit AvqZvKvi I eMFKvi tÿt!i ^N°l cÖ'cwi gvc Kit tÿt!dj wYq KitZ cvite </p> <p>4. I Rb cwi gvtci newfbecwicK eenvi Kit cwi gvc KitZ cvite </p> <p>5. Zij c`v_! AvqZb cwi gvtci newfbet cwi gvcK eenvi Kit cwi gvc KitZ cvite </p> <p>6. ^ bw` b Rxetb AbgwmibK cwi gvc KitZ cvite </p>		<p>cÖvkv Kiv hvq th, Aa vq tkö lkyv_xPv- eþeþxq</p> <p>1. t`kq, weUk I AvšRMZK cwi gvc cxiZ eYLv KitZ cvite Ges msirkó cxiZi mñvñth ^N°, tÿt!dj, I Rb I Zij c`v_! AvqZb mseuj Z mgmvi mgvavb KitZ cvite </p> <p>gtbvtcikR</p> <p>2. t`kq, weUk I AvšRMZK cxiZtZ ^bw` b Rxetb cPij Z cwi gvtci mñvñth cwi gvc KitZ cvite </p>		<p>cÖvkv Kiv hvq th, t`i tkö l lkyv_xPv- eþeþxq</p> <p>1. cwi gvtci newfbet cxiZ eYd Ges ^bw` b Rxetb Gi eenvi møúKZ mgmvi mgvavb i mgvavb KitZ cvite </p> <p>gtbvtcikR</p> <p>2. ^ bw` b Rxetb newfbecxiZtZ cwi gvc Abgwb KitZ cvite </p>

Iô tkl	ZZiq Aa'vq	mBg tkl	Aog tkl	cñšk nLbdj
<p>cñškv Kiv hvq th, Aa'vq tktl ikyv_xPv- epeEaq</p> <p>1. cYñsLvi ag©eñLvi KitZ cvite 2. cYñsLvi kbi³ KitZ cvite 3. msLvñi Lvq cYñsLvi Aeñb t LvtZ cvite Ges tQñU-eo msLvi Zj bñ KitZ cvite 4. wPyhj³ msLvi thM I wetqm KitZ cvite 5. msLvñi Lvi mñññh thM I wetqm t LvtZ cvite </p>				<p>cñškv Kiv hvq th, -i tktl ikyv_xPv- epeEaq</p> <p>1. cYñsLvi I wPyhj³ msLvi 'eñkó' eñLvi Kñi cñqm KitZ cvite </p>

Iô tköv	PZL ©Aa vq	mßg tköv	PZL ©Aa vq	Aög tköv	cöšk nklbdj
<p>cÖvkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eþeEþq</p> <p>1. exRMwYZxq cÖxK, Pj K, mnM, mPK eenvi Kti MwYZK mgmvi mgvarb KitZ cvite </p> <p>2. exRMwYZxq iwlki m`k I mem`k c` kby³ KitZ cvite </p> <p>3. GK ev GKwAK c` wekkó exRMwYZxq iwlk eYö KitZ cvite </p> <p>4. exRMwYZxq iwlki thM I weqM KitZ cvite </p> <p>AvteMxq</p> <p>5. exRMwYZxq cÖZ AvMöök nte </p>	<p>cÖvkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eþeEþq</p> <p>1. exRMwYZxq iwlki Y I fM KitZ cvite </p> <p>2. eÜbx eenvi i gvatg exRMwYZxq iwlki thM, weqM, Y I fM msjuvsl` b` b Rvetbi mgmvi mgvarb KitZ cvite </p> <p>AvteMxq</p> <p>3. exRMwYZxq mgmvi mgvarb AvMöök nte </p>			<p>cÖvkv Kiv hvq th, tk‡l ikyv_xPv- eþeEþq</p> <p>1. exRMwYZxq iwlk eYö KitZ cvite Ges exRMwYZxq cÖxK, Pj K, mnM, mPK, wPyh³ msL^v BZ` i gvatg Zv cÖKv KitZ cvite </p> <p>2. exRMwYZxq iwlki thM, weqM, Y I fM KitZ cvite Ges GZ` msjuvsl` mgmvi mgvarb KitZ cvite </p> <p>AvteMxq</p> <p>3. exRMwYZxq m‡_cwi PZ nte exRMwYZxq mgmvi mgvarb AvMöök nte</p>	

Iô tköv	mßg tköv	cÄg Aa vq	Aög tköv	PZL ©Aa vq	cöšk nklbdj
	<p>cÖvkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eþeEþq</p> <p>1. eMöibYq exRMwYZxq m‡i eYö I cÖqM KitZ cvite </p> <p>2. exRMwYZxq m‡ I Abjmxvsl cÖqM Kti iwlki gvb wYq KitZ cvite </p> <p>3. exRMwYZxq m‡ cÖqM Kti Drcr` tK wekdiY KitZ cvite </p> <p>4. YbxqK I wYZK Kx Zv evL^v KitZ cvite </p> <p>5. AbaY[©] wZbu exRMwYZxq iwlki mswLK mnMmn M.mv., I j.mv., wYq KitZ cvite </p>	<p>cÖvkv Kiv hvq th, Aa vq tk‡l ikyv_xPv- eþeEþq</p> <p>1. exRMwYZxq m‡ cÖqM Kti wC`x I wC`x iwlki emöibfcY, mij xKiY I gvb wYq KitZ cvite </p> <p>2. exRMwYZxq m‡ cÖqM Kti wC`x I wC`x iwlki Nb wYq, mij xKiY I gvb wYq KitZ cvite </p> <p>3. ga c` wekdiYi mwnth iwlgyj vi Drcr` K wekdiY KitZ cvite </p> <p>4. exRMwYZxq iwlgyj vi M.mv., I j.mv., wYq KitZ cvite </p>		<p>cÖvkv Kiv hvq th, tk‡l ikyv_xPv- eþeEþq</p> <p>1. exRMwYZxq cÖg PviU eMö m‡ I Nbdtj i m‡ eYö KitZ cvite Ges G,tjv cÖqM exRMwYZxq iwlki gvb wYq KitZ cvite </p> <p>2. exRMwYZxq iwlki Drcr` tK wekdiY KitZ cvite Ges M.mv., I j.mv., wYq KitZ cvite </p>	

Iô tkö	mBg tkö	Iô Aa'vq	Aög tkö	cÂg Aa'vq	cÖšk wklbdj
	<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. exRMwYzq fMusK Kx Zv evlv KitZ cvite 2. exRMwYzq fMusK K j NkiY I mgavb Y niweikó KitZ cvite 3. exRMwYzq fMusK thM, weqM Ges mij KitZ cvite </p>	<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. exRMwYzq fMusK thM weqM, Y I fM KitZ cvite Ges GZ`msjuvši mij I mgm'vi mgavb KitZ cvite </p>	<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. exRMwYzq iuki fMusK i aviY evlv Kti Gt'i thM, weqM, Y I fM KitZ cvite Ges GZ`msjuvši mgm'vi mgavb KitZ cvite </p>		

Iô tkö	cÂg Aa'vq	mBg tkö	mBg Aa'vq	Aög tkö	Iô Aa'vq	cÖšk wklbdj
<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. mgxKiY I mij mgxKiY evlv KitZ cvite Ges mgavb KitZ cvite 2. ev-é mgm'vi wñEz mgxKiY Mvb Kti mgavb KitZ cvite </p>	<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. mgxKiYi cÖZ-tcb cxZ I Acbqb cxZ evlv KitZ cvite 2. weamgn cÖqM Kti mgxKiYi mgavb KitZ cvite 3. mij mgxKiY Mvb I mgavb KitZ cvite 4. tj LwPt Kx Zv evlv KitZ cvite </p> <p>gtbwtcikR</p> <p>5. tj LwPt Añ I meaRbK GKK wbtq we`cvZb KitZ cvite 6. tj LwPt i mnvñh` mgxKiYi mgavb KitZ cvite </p>	<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. mgxKiYi cÖZ-tcb cxZ I Acbqb cxZ evlv KitZ cvite 2. `B Pj Kienkó mij mnmgxKiY mgavb KitZ cvite 3. MwYiZK mgm'vi mij mnmgxKiY Mvb Kti mgavb KitZ cvite </p> <p>gtbwtcikR</p> <p>4. mij mnmgxKiYi mgavb tj LwPt t`LwZ cvite 5. tj LwPt i mnvñh` mij mnmgxKiYi mgavb KitZ cvite </p> <p>AvteMq</p> <p>6. mnR mgm'vi mgavtbi Rb` mgxKiY Mvb AvMñx nte </p>	<p>cÖvk Kiv hvq th, Aa'vq tkö! ikÿv_xPv- eþxeþq</p> <p>1. mij mgxKiY I mij mnmgxKiY Mvb Ges mgavb KitZ cvite </p> <p>gtbwtcikR</p> <p>2. h_vh_fvte QK KvMR eenvi Kti tj LwPt Añb KitZ cvite 3. mij mgxKiY I mij mnmgxKiYi mgavb tj LwPt t`LwZ cvite 4. tj LwPt i mnvñh` mij mnmgxKiYi mgavb KitZ cvite </p> <p>AvteMq</p> <p>5. exRMwYzq mgxKiY Mvb Kti mnR mgm'vi mgavtbi AvMñx nte </p>			

Iô tkö	mßg tkö	Aóg tkö	mßg Aa vq	cöšk ikLbdj
		<p>cökv Kiv hvq th, Aa vq tkzl ikyv_xv- e xeEaq</p> <p>1. tmU I tmU MVb cöuqv e'lv Ki‡Z cvite </p> <p>2. mmxg tmU, mweK tmU, c‡K tmU, dKv tmU, wbñ` tmU eYv Ki‡Z cvite Ges Z†`i MVb cöxtKi mnvth cökv KitZ cvite </p> <p>3. GKwaK tmtUi msthwM tmU I tQ` tmU MVb I e'lv Ki‡Z cvite </p> <p>4. tfbiP† I D`vnitYi mnvth tmU cöuqi mnR agewj hvPvB I cövY KitZ cvite </p> <p>5. tmtUi agewj cöqM Kti mgm v mgvavb KitZ cvite </p> <p>AtelMq</p> <p>6. tfbiP† i mnvth MwYwZK mgm v K bv` wbKfite Dc`vc‡b mtPó nte </p>		<p>cökv Kiv hvq th, -í tkzl ikyv_xv- e xeEaq</p> <p>1. D`vnitYi cöxtKi mnvth tmU e'lv Ki‡Z cvite Ges tmU cöuqv e'envíi gva tg newfbœ mgm vi mgvavb KitZ cvite </p> <p>AtelMq</p> <p>2. tmtUi mnvth Z_‡K bv` wbKfite Dc`vc‡b mtPó nte </p>

Iô tkö	Iô Aa vq	mBg tkö	Aög tkö	cöšk nkLbdj
<p>cövkv Kiv hvq th, Aa vq tkö!</p> <p>nkÿv_xPv- eþxeEñq</p> <p>1. 'ib, Zj , ti Lv I we`y eYLv Ki‡Z cvite </p> <p>2. mij †i Lv, ti Lusk I iwkli gta" cv_R" Ki‡Z cvite </p> <p>3. miðnZ tKy, tj vi mœúR eYLv I cõqm KitZ cvite </p> <p>4. weðxc tKy, tj vi mœúK©Yðv I cõqm KitZ cvite </p> <p>5. mgvšijj ti Lusk eYðv KitZ cvite </p> <p>6. 'þU mgvšijj mij †i Lv I GKU tQ' K Øiv DrcbetKvymga eYðv I cõqm KitZ cvite </p> <p>7. evûtf†` I tKytf†` wifR eYLv KitZ cvite </p> <p>8. eM©AvqZ, iðm I mgvšii K wþyZ KitZ cvite </p>				<p>cövkv Kiv hvq th, ñ tkö!</p> <p>nkÿv_xPv- eþxeEñq</p> <p>1. RwgwZi tgwjj K weIq, tj v eYLv Kti mgm v mgvavb KitZ cvite </p>

Iô tkö	mBg Aa'vq	mBg tkö	Aóg Aa'vq	Aóg tkö	cöšk wklbdj
cL'kv Kiv hvq th, Aa'vq tköl wkyv_xPv-eyxeĘq 1. GKU wlv th ti Lusk K cwi gic KitZ cvite 2. cō Ę Z_ eenvi KitZ ti Lusk A½b KitZ cvite 3. weifbogutci tKtYi wP A½b KitZ cvite	cL'kv Kiv hvq th, Aa'vq tköl wkyv_xPv-eyxeĘq 1. mgvšij mij ti Lv I tQ`K Øiv Drcbœ tKtYi `ewkó eYL'v KitZ cvite 2. `BwU mij ti Lv mgvšij nl qv kZēYdri KitZ cvite				cL'kv Kiv hvq th, -i tköl wkyv_xPv-eyxeĘq 1. mgvšij mij ti Lv I tQ`K Øiv Drcbœ tKtYi `ewkó eYdri I c tqM KitZ cvite

Iô tkö	mBg tkö	beg Aa'vq	Aóg tkö	beg Aa'vq	cöšk wklbdj
cL'kv Kiv hvq th, Aa'vq tköl wkyv_xPv-eyxeĘq 1. w ftRi Ašt_ I evnt_ tKvY eYdri KitZ cvite 2. w ftRi tgšij K Dccv_ ,tj v cō Y KitZ cvite 3. w ftRi evu I tKtYi cvi _úvi K m¤úKēenvi KitZ RxebwfEK mgm'vi mgvarb KitZ cvite gtbutcikR 4. weifbokZm̄tcty w fR AvKitZ cvite 5. w fR tyf̄i fng I D'PZv tḡc tyf̄dj cwi gic KitZ cvite	cL'kv Kiv hvq th, Aa'vq tköl wkyv_xPv-eyxeĘq 1. w _Mvivmi Dccv_ hvPvB KitZ eYL'v KitZ cvite 2. w ftRi wZbwU evu %N°t_ I qv _Ktj w fRwU mgfKvYx wKv-hvPvB KitZ cvite 3. w _Mvivmi Dccv_ cō Y KitZ cvite 4. w _Mvivmi m̄ eenvi KitZ mgm'vi mgvarb KitZ cvite				cL'kv Kiv hvq th, -i tköl wkyv_xPv-eyxeĘq 1. w ftRi `ewkó eYL'v KitZ cvite Ges w fRmsjuštgšij K Dccv_ cō Y KitZ cvite gtbutcikR 2. cō Ę Z_ i wfEz w fR A½b KitZ cvite AvteMq 3. w fR msjušmgm'vi mgvarbvi gva tg thši³ K wPšiq Døk nte

Ió tkö	mBg tkö	kg Aa"vq	Aóg tkö	cíšk vklbdj
	<p>cíškv Kiv hvq th, Aa"vq tkö! wkyv_xPv-eyxeExq</p> <p>1. wewfbwRwgvZK AvKvi I AvKvZ n‡Z meñg Ges m`k AvKvi I AvKvZ PwýZ KitZ cvi te </p> <p>2. meñg I m`kZvi gta" cí_R KitZ cvi te </p> <p>3. wvw^θ eñktó"i Avtj vK wí fR I PZfTRi m`kZv eñLv KitZ cvi te </p> <p>4. wvw^θ eñktó"i wfwE"Z wí fTRi meñgZv cíyY KitZ cvi te </p> <p>5. meñgZv I m`kZvi eñktó"i wfwE"Z mnR MwYwZK I ev"e mgm"vi mgvab KitZ cvi te </p>			<p>cíškv Kiv hvq th, -í tkö! wkyv_xPv-eyxeExq</p> <p>1. meñgZv I m`kZvi eñkó" eñLv KitZ tgwí K Dccv" cíyY Ges mgm"vi mgvab KitZ cvi te </p>

Iô tkö	mßg tkö	Aög tkö	Aög Aa vq	cöšk uklbdj
		<p>cöškv Kiv hvq th, Aa vq tkö! ukyv_xv-epxeĘq</p> <ol style="list-style-type: none"> 1. PZfR agfewj hvPvB Ki‡Z cvi te 2. PZfR agfewj i h³gj K cöY Ki‡Z cvi te 3. cöE DcvE n‡Z i jvi K¤úm eenvi K‡i PZfR AvK‡Z cvi te 4. w fR m‡i mnvth PZfR tÿ†i tÿ†dj ciwigc Ki‡Z cvi te 5. PZfR tÿ†i tÿ†dj ciwigc KitZ cvi te 6. AvqZvKvi Nbe' Nb‡Ki tÿ†dj ciwigc KitZ cvi te <p>gtbvtçukR</p>	<p>cöškv Kiv hvq th, -í tkö!</p> <p>ukyv_xv-epxeĘq</p> <ol style="list-style-type: none"> 1. PZfR agfewj eVLv Ki‡Z cvi te Ges MwYvZK D³i mZv hvPvB, cöY cöqM Ki‡Z cvi te 2. h_vh_ ciwigcK eenvi K‡i AvqZvKvi Nbe' Nb‡Ki tÿ†dj ciwigc KitZ cvi te <p>gtbvtçukR</p>	

Iô tkîv	mBg tkîv	Aôg tkîv `kg Aa'vq	côšk wklbdj
		<p>côškv Kiv hvq th, Aa'vq tkîl wkyv_xfv- eþxeðxq</p> <ol style="list-style-type: none"> 1. eþEi avi Yv jvf KitZ 2. cVb(π) Gi avi Yv eþLv KitZ cvite 3. eþvKvi tþtî i tþtîdj cwi mgv wþYq KitZ mgm v mgvab KitZ cvite 4. eþ msþvsl Dccv` cþvY KitZ cvite 5. eþ msþvsl Dccv` cþqM KitZ mpm v mgvab KitZ cvite <p>gtþvþcikR</p> <ol style="list-style-type: none"> 6. cwi gvcK wþZv eþenvi KitZ eþvKvi tþtî i cwi mgv tþtîdj cwi gvc KitZ cvite 7. tej tbj cþoi tþtîdj cwi gvc KitZ cvite 	<p>côškv Kiv hvq th, -i tkîl wkyv_xfv-</p> <ol style="list-style-type: none"> 1. eþ msþvsl tgþv K Dccv` cþvY KitZ cvite Ges GZ` mpm v mgvab KitZ cvite <p>gtþvþcikR</p> <ol style="list-style-type: none"> 2. h_vh_ cwi gvcK eþenvi KitZ tþvK I tej tbj cþoi tþtîdj cwi gvc KitZ cvite

Iô tkîv	Aôg Aa'vq	mBg tkîv	Gkv` k Aa'vq	Aôg tkîv	Gkv` k Aa'vq	côšk wklbdj
<p>côškv Kiv hvq th, Aa'vq tkîl wkyv_xfv-</p> <p>eþxeðxq</p> <ol style="list-style-type: none"> 1. Z_ I DcvE Kx Zv eþLv KitZ cvite 2. tkîY eþearb bv KitZ Aþeb`- DcvEi Mo, ga`K I cþiK wþYq KitZ cvite 3. AþZ tþLwþtîi eYv KitZ cvite <p>gtþvþcikR</p> <ol style="list-style-type: none"> 4. tþLwþtî Aþb KitZ cvite 	<p>côškv Kiv hvq th, Aa'vq tkîl wkyv_xfv- eþxeðxq</p> <ol style="list-style-type: none"> 1. MYmsLv mvvY Kx Zv eþLv KitZ cvite 2. tkîY eþearb bv KitZ Aþeb`- DcvEi Mo, ga`K I cþiK wþYq KitZ cvite 3. AþZ AþqZþj L ntZ DcvE mþútK` eþLv KitZ cvite 4. AþqZþj L ntZ cþiK wþYq KitZ cvite <p>gtþvþcikR</p> <ol style="list-style-type: none"> 5. AþqZþj L Aþb KitZ cvite 	<p>côškv Kiv hvq th, Aa'vq tkîl wkyv_xfv- eþxeðxq</p> <ol style="list-style-type: none"> 1. tKw` q cþvYv eþLv KitZ cvite 2. MwYwZK mþt i mþvth Mo, ga`K I cþiK wþYq KitZ mpm v mgvab KitZ cvite 	<p>côškv Kiv hvq th, -i tkîl wkyv_xfv-</p> <ol style="list-style-type: none"> 1. Z_ I DcvE ntZ Mo, ga`K, cþiK wþYq KitZ G mpm v mgvab KitZ cvite 2. AþZ tþLwþtîK eþLv KitZ cvite <p>gtþvþcikR</p> <ol style="list-style-type: none"> 3. Z_-DcvE K tþLwþtî cþiK KitZ cvite 			

5. Aāvq web̄vm | wcīqW ēEb̄

Aāvq	Iô tk̄W		m̄Bg tk̄W		Aóg tk̄W	
	Aāvqi bvg	wcīqW msL̄v	Aāvqi bvg	wcīqW msL̄v	Aāvqi bvg	wcīqW msL̄v
c̄g Aāvq	-̄f̄w̄eK msL̄v f̄Msk	15	gj̄ - Agj̄ msL̄v	15	c̄v̄Ūb̄ [®]	10
w̄Z̄q Aāvq	Ab̄c̄v̄Z kZKiv	25	mḡib̄c̄v̄Z j̄v̄f̄-̄f̄v̄Z	15	ḡp̄d̄v̄	15
ZZ̄q Aāvq	c̄ȲmsL̄v	15	c̄w̄ gvc	10	c̄w̄ gvc	10
PZ̄_̄Aāvq	exRM̄YZxq īw̄k	15	exRM̄YZxq īw̄kī_̄Y f̄M	10	exRM̄YZxq m̄̄v̄ej̄ c̄q̄M	12
c̄Ag Aāvq	mij mḡxKiY	15	exRM̄YZxq m̄̄v̄ej̄ c̄q̄M	12	exRM̄YZxq f̄Msk	8
Iô Aāvq	R̄w̄ḡZī tḡš̄j̄ K̄ arī Ȳ	20	exRM̄YZxq f̄Msk	8	mij mnmḡxKiY	10
m̄Bg Aāvq	ēen̄wī K̄ R̄w̄ḡZ	25	mij mḡxKiY	10	tmU	10
Aóg Aāvq	Z_̄ Dc̄v̄Ē	10	mḡš̄l̄j̄ mij t̄iL̄v̄	15	PZ̄f̄R̄	12
beg Aāvq	-----	-----	w̄ f̄R̄	20	wc̄_̄v̄M̄v̄īt̄mī Dcc̄v̄ ``	23
`kg Aāvq	-----	-----	m̄`kZv̄ mēnḡZv̄	15	ēĒ	15
GK̄` k Aāvq	-----	-----	Z_̄ Dc̄v̄Ē	10	Z_̄ Dc̄v̄Ē	15

6. ॥kÿμug QK

lô t̄k̄v̄

cōg Aa'vq : ḥfweK msL'v | fMsk (15 vñiqli)

nkLbdj	neqe-	nkLb-ťkLb'v nbt` Rbv	gj' vqb nbt` Rbv
epxeExq			
<p>1. ḥfweK msL'v A½cvZb Ki‡Z cvi‡e </p> <p>2. t`kxq AvšRwZK i‡Z‡Z A½cvZb K‡i co‡Z cvi‡e </p> <p>3. tgšij K msL'v, thšMK msL'v I mn‡gšij K msL'v wPyZ Ki‡Z cvi‡e </p> <p>4. wefvR' Zv e‡L'v Ki‡Z cvi‡e </p> <p>5. 2, 3, 4, 5, 9 0iv wefvR' Zv hvPvB Ki‡Z cvi‡e </p> <p>6. mvavi Y fMsk I `kigK fMstki M.mv. I j .mv., wbYq Ki‡Z cvi‡e </p> <p>7. mvavi Y fMsk I `kigK fMstki mij xKiY K‡i MwYwZK mgm'vi mgvavb Ki‡Z cvi‡e </p> <p>AvteMq</p> <p>8. msL'v m¤úFK tKšZaj x ntq newfbai‡bi msL'v fÉK gRvi gRvi tLj vq Drmvñ nte </p>	<ul style="list-style-type: none"> · ḥfweK msL'v · t`kxq AvšRwZK i‡Z‡Z A½cvZb · tgšij K msL'v, thšMK msL'v msL'v, mn‡gšij K msL'v · wefvR' Zv · M.mv. I j .mv., · fMsk I `kigK msL'v mij 	<ul style="list-style-type: none"> · nkÿK D`vni‡Yi mnvñth` ḥfweK msL'v k‡b'i avi Yv t`teb · D`vniY I c‡k‡E‡i i gva‡g A‡hi ḥbxqg‡bi ceÁvb hvPvB Ki‡eb · nkÿv_xPv teftW^K‡qKw msL'v wj †L Zv t‡K tgšij K msL'v thšMK msL'v kby³ Ki‡e tKvb tKvb msL'v ci‡ui mn‡gšij K Zv wbYq Ki‡Z nkÿK mn‡hwMZv Ki‡eb c‡k‡E‡i i gva‡g nkÿv_xP i avi Yv cwi‡vi Ki‡eb · nkÿK 2, 3, 5 0iv wefvR' Zv ceÁvb c‡k‡E‡i i gva‡g hvPvB Ki‡eb 4 I 9 0iv wefvR' msL'v, t‡j v D`vniY I c‡k‡E‡i i mnvñth` e‡L'v Ki‡eb Ges newfbamsL'v w‡q wefvR' Zv hvPvB Ki‡Z ej‡eb nkÿv_xP i j xqfvñt 2, 3, 4, 5, 9 Gi wefvR' Zv wbqg, t‡j v OK AvKv‡i Dc-`lcb Ki‡e · nkÿK ḥfweK msL'v M.mv.. I j .mv.. wbYq i c‡wZ c‡k‡E‡i i gva‡g hvPvB Ki‡eb mvavi Y fMsk I `kigK fMstki M.mv.. I j .mv.. wbYq c‡wZ D`vni‡Yi mnvñth` teftS‡eb Ges nkÿv_xP i M.mv.. I j .mv.. wbYq Ki‡Z t`teb · nkÿK newfbac‡Kv i eÜbxi bvg wPymn LvZvq wj L‡Z ej‡eb mij xKi‡Y eÜbxi e‡envi c‡k‡E‡i i gva‡g hvPvB Ki‡eb mvavi Y fMsk I `kigK fMstki mij xKi‡Y thwM, we‡qM, , Y, fM, Gi I eÜbxi KvR ch‡qut‡g eYb‡ K‡i GKRb nkÿv_xP K teftW^GKw mnR mij Ki‡Z t`teb Ges c‡wcy‡K Ab‡kj bxi mgm' `j MZfvñt mgvavb Ki‡Z ej‡eb · nkÿK nkÿv_xP i `j MZfvñt 3, 4, 5, 6 A‡hi msL'v e‡envi K‡i 2, 3, 5 0iv wefvR' msL'v wbYq Kivi c‡ZthwMZv i e‡envi Ki‡eb Gfvñt nkÿv_xP i tLj vi gva‡g wefvR' Zv hvPvB Ki‡eb 	<ul style="list-style-type: none"> · teftW^A½cvZb Ki‡Z w‡q ch‡ey‡Yi gva‡g gj' vqb Ki‡eb · nkÿK emoi KvR I tK‡iYi Kv‡Ri gva‡g gj' vqb Ki‡eb · QK Dc-`lcb Kivi mgq nkÿv_xP i Dc-`lcb tKškj gj' vqb Ki‡eb · tK‡iYi Avfÿvi gva‡g gj' vqb Ki‡eb · wbYq i tLj vi gva‡g msL'v wefvR' Zv wbYq i c‡Z tKšZaj I `‡j KvR Kivi gbmKZv gj' vqb Ki‡eb

WZxq Aa''vq : AbcvZ | kZKiv

(25 wch iqW)

íkLbdj	íelqe-	íkLb-íkLvibv íbt` Rbv	gj "vqb íbt` Rbv
ejx eEjq			
1. AbçvZ Kx Zv e`vL`v Ki‡Z cvi‡e	• Abçv‡Zi aviYv	• íkÿK GKRb íkÿv_‡K GKB RvZxq `BwU iwk te‡Wqj L‡Z ej †eb Ges iwk `BwUj Zj bv K‡i Abçv‡Zi aviYv †`teb Gi gra‡g Abçv‡Zi ce‡wk I DËi iwk Ae`v eYb K‡eb íkÿv_‡v K‡qKwU AbçvZ te‡Wqj †L Zv †‡K ce‡wk I DËi iwk PwÝZ K‡eb	• tgwLK c‡k‡Et i gva‡g gj "vqb Ki‡eb
2. mij AbçvZ msjušl mgm`v mgvavb Ki‡Z cvi‡e	• wewfbœc‡Kvi AbçvZ (mij AbçvZ, e`v AbçvZ, wgk‡AbçvZ)	• íkÿK íkÿv_‡‡K †Kv‡bv ci‡yvq evsj v MwY‡Z c‡B b‡‡i i AbçvZ yj L‡Z ej †eb AbçvZwUj ce‡wk I DËi iwk †‡K , i‡AbçvZ ev j NyAbçvZ ev GKv‡cvZ Gi aviYv †`teb	• íkÿv_‡‡ i te‡W‡W‡K mgm`v mgvavb Ki‡Z w‡q gj "vqb Ki‡eb
3. kZKi‡K mvaVi Y fM‡sk Ges fM‡sk‡K kZKi‡v c‡Kv K‡Z cvi‡e	• AbçvZ I kZKi‡v mn‡‡ei m‡úK®	• íkÿK GKwU mij Abçv‡Zi mn‡‡h` e`v AbçvZ Ges wgk‡ Abçv‡Zi aviYv †`teb	• ewo i Kv‡Ri mn‡‡h` gj "vqb Ki‡eb
4. HwKK †bqg I kZKi‡v mn‡‡ei cx‡Z eYb K‡Z cvi‡e	• AbçvZ, kZKi‡v I HwKK †bqg msjušl mgm`v	• íkÿv_‡v íkÿ‡Ki mn‡‡Zvq AbçvZ, kZKi‡v I HwKK †bqg msjušl mgm`v mgvavb Ki‡e	• tk‡i K‡R I tk‡i Awf‡yvi gva‡g gj "vqb Ki‡eb
5. HwKK †bqg I kZKi‡v mn‡‡ei mn‡‡h` mgq I KvR, mgq I Lv‡, mgq I `‡Z; welqK MwY‡ZK mgm`v mgvavb Ki‡Z cvi‡e			
Av‡emq			
6. ^bw`b Rx‡bi mnR MwY‡ZK mn‡‡e †bK‡k MwY‡Zi c‡q‡Rb‡qZv Dc‡j †‡ Ki‡Z cvi‡e			

ZZaq Aa^{vq} : cYmsL^v (15 vciq^{III})

nkLbdj	neqe ⁻	nkLb-tkL ^v bv mb ^v Rbv	gj ^v qb mb ^v Rbv
ep^eEaq 1. cYmsL ^v i ag ^o e ^v L ^v Ki ^t Z cvite 2. cYmsL ^v kbr ³ Ki ^t Z cvite 3. msL ^v i Lvq cYmsL ^v Ae ^v b t ^v L ^v Z cvite Ges tQlU-eo msL ^v Zj bv Ki ^t Z cvite 4. wPyh ³ msL ^v thM I wetqM Ki ^t Z cvite 5. msL ^v i Lvi mnvith ^v thM-wetqM t ^v L ^v Z cvite	<ul style="list-style-type: none"> cYmsL^v I Zvi agfeij msL^vi Lvq cYmsL^v Ae^vb I Zj bv wPyh³ msL^v thM, wetqM msL^vi Lvi mnvith^v thM I wetqM 	<ul style="list-style-type: none"> ikyK tKt^vbv KQzari ev F^vYi gva^vg FYiZ^K msL^v avi Yv ^vúó Ki^teb Avg^vi ^ b Rx^vb G ai^vbi msL^v e^venvi tKv^v nq Zv ikyv^v i Dc^vcb Ki^tZ ej^veb ikyK c^vqR^vb mn^vhwMZv Ki^teb ikyK GKRb ikyv^vK newfb^vai^vbi msL^v ter^vW^oij L^vZ ej^veb G t^vK ikyv^v cYmsL^v, abvZ^K I FYiZ^K msL^v kbr³ Ki^teb ikyK Av^vj vPbvi gva^vg cYmsL^v avi Yv ^vúó Ki^teb ikyv^v ter^vW^oti Lv G^vK Gi giSgwS GKU^v t^vK wPyh^Z Ki^teb ikyK H^v t^vK kb^v ati mg^v i^vZj k^vb i Wb I ergcr^v h^vutg abvZ^K I FYiZ^K msL^v Ae^vb e^vL^v Ki^teb Gf^vte ikyK msL^vi Lvi avi Yv t^veb ikyK ciggib, wPyh³ msL^v A^v abvZ^K I FYiZ^K msL^v thM, wetqM Mi wbgg e^vL^v Ki^teb iky^vKi mb^vK t^vK KtqKU mgm^v ikyv^v mgvab K^vi tk^vKt^v Dc^vcb Ki^te Ges c^vqR^vb ikyK mnvith^v Ki^teb ikyK wPyh³ msL^v thM ev wetqM c^vq msL^vi Lvi gva^vg ter^vW^oK^vi t^vL^veb ikyv^v KtqKU mgm^v mgvab K^vi ikyKt^vK t^vL^vev `j xqfvte Av^vj vPbvi Ki^te ikyK c^vqR^vb Av^vj vPbvi gva^vg Avi I mn^vhwMZv t^veb 	<ul style="list-style-type: none"> tg^vLK Dc^vcbvi mgq ikyv^v i tg^vLK thMvthM^v yZv gj^vqb Ki^teb ikyv^v i ter^vW^oW^oK msL^v kbr³ Ki^tZ w^vtq c^vk^vE^vi i mnvith^v gj^vqb Ki^teb msL^vi Lvq abvZ^K I FYiZ^K msL^v t^vcb Ki^tZ w^vtq gj^vqb Ki^teb mgm^v mgvab Kivi mg^vq ikyK ch^vey^vYi gva^vg gj^vqb Ki^teb tk^vYi KvR I tk^vW^of^vyvi gva^vg gj^vqb Ki^teb

PZL[©]Aa^{vq} : exRMWYZxq iwlk (15 učniq)

wlbdj	wlqe ⁻	wlLb-tklLbfv wlbt` Rbv	gj "vqb wlbt` Rbv
exRMWYZxq			
1. exRMWYZxq cLxK, Pj K, mnM, mPK eenvi Kti MwYwZK mgm v mgavb KitZ cvite	<ul style="list-style-type: none"> exRMWYZxq cLxK, Pj K, mnM I mPtki eenvi 	<ul style="list-style-type: none"> ARbv msL v wlY Kitz wtkl cLxK (□) ev Ayi cLxK (K,L,...) eenvi mptK[©] wkyv_ fl i ce[©]avi Yvi Dci wfl E Kti wkyK Ayi cLxK gwb th Pj gwb Zv evl vi gva tg exRMWYZxq Pj tki avi Yv uo Kiteb wkyK exRMWYZxq mnM I mPtki avi Yv Dvn Ymn evL v Kiteb wkyv_ fl G mpuKZ mgm v mgavb Kiteb Ges cLqRtb wkyK mnqZv Kiteb wkyv_ fl `j MZfite GKB RvZxq wewfbAvKtii DcKiY t_k m`k I wem`k c`, GK ev GKwak c` wewko exRMWYZxq iwlki eYv 	<ul style="list-style-type: none"> cLkEti i gva tg gj "vqb Kiteb mgm v mgavb Kivi mgta wkyK chfeyY Kti gj "vqb Kiteb tkYi KvR I tkY Awf yvi gva tg gj "vqb Kiteb ewoi KtRi mnvth gj "vqb Kiteb
2. exRMWYZxq iwlki m`k I wem`k c` kbr ³ KitZ cvite			
3. GK ev GKwak c` wewko exRMWYZxq iwlki eYv KitZ cvite			
4. exRMWYZxq iwlki thwM I wetqm KitZ cvite	<ul style="list-style-type: none"> exRMWYZxq iwlki thwM I wetqm 	<ul style="list-style-type: none"> wkyv_ fl i mnqZv wkyK exRMWYZxq iwlkj vi thwM I wetqm teitW[©]Kti t L vteb wkyv_ fl GZ msjušl c E thwM I wetqm Abkj b Kitb cLqRtb wkyK mnqZv Kiteb 	<ul style="list-style-type: none"> `j MZ KvRi mqg chfeyYi gva tg wkyv_ fl exRMWYZxq cL AwMbx Kbv-Zv gj "vqb Kiteb
Avtelmaq			
5. exRMWYZxq cLz AvMbx nte			

cÂg Aa'vq : mij mgxKiY (15 učni qW)

nkLbdj	neqe'	nkLb-tkLutbv nbt` Rbv	gj "vqb nbt` Rbv
<p>ep-eĘq</p> <p>1. mgxKiY I mij mgxKiY e'vL'v Ki‡Z cvi‡e Ges mgvavb Ki‡Z cvi‡e </p> <p>2. ev-ě mgm'vi wñ‡Z mgxKiY MVb K‡i mgvavb Ki‡Z cvi‡e </p>	<ul style="list-style-type: none"> • mgxKiY I mij mgxKi‡Yi eYv • mij mgxKiY MVb I mgvavb 	<ul style="list-style-type: none"> • nkÿK mgxKiY I mij mgxKi‡Yi avi Yv D`vn i Ymn e'vL'v Ki‡eb nkÿv_ř i mnvqZvq mij mgxKi‡Yi mgvavb tevtW‡K‡i † Luteb • nkÿ‡Ki nbt` řk nkÿv_ř GKU mgm'vi mgvavb tevtW‡Ki‡e Abkjij bxi Ab'v' mgm'v nkÿv_ř j MZf‡e mgvavb Ki‡e nkÿK cñqR‡b mnvqZv Ki‡eb • nkÿK ev-ě mgm'vi GKU mgxKiY MVb K‡i † Luteb nkÿ‡Ki mnvqZvq nkÿv_ř v mgxKiY MVb I mgvavb Kivi Abkjij b Ki‡e 	<ul style="list-style-type: none"> • nkÿv_ř i tevtW‡W‡K mij mgxKi‡Yi mgvavb Ki‡Z w‡q cñkue‡i mnvqZvq gj "vqb Ki‡eb • nbaři Z gvb`‡Ei mnvqZvq `j MZ KiR gj "vqb Ki‡eb • tkÿi KvR I emoi K‡Ri mnvqZvq gj "vqb Ki‡eb

Iô Aa'vq : R'wqnuZi tḡšij K avi Yv (20 n̄cniqW)

nkLbdj	neqe'	nkLb-tkLutbv wb‡` Rbv	gj "vqb wb‡` Rbv
<p>epx eFq</p> <p>1. ~ib, Zj , ti Lv I we`y e~L~v Ki‡Z cvi te </p> <p>2. mij ti Lv, ti Lusk I iwk‡ g‡a" cv_R" Ki‡Z cvi te </p> <p>3. mibmZ tKvY, tj vi m¤úR e~L~v I c‡qM Ki‡Z cvi te </p> <p>4. wec‡xc tKvY, tj vi m¤úR eYv c‡qM Ki‡Z cvi te </p>	<ul style="list-style-type: none"> ~ib, Zj , ti Lv I we`y ti Lusk I iwk‡ mij ti Lv, epu ti Lv we`y ti Lv, Zj m¤úK‡ K‡qK‡U c‡qRbxq m‡tumx mij tKvY, mibmZ tKvY, m¤úK‡ tKvY, wec‡xc tKvY ti Lv I tKvY m¤úK‡ Dccv" e~L~v I hPvB Dccv" GK‡U ti Lusk‡ki c‡sle`‡Z Aci GK‡U ti Lusk wgi‡ Z ntj th `B‡U mibmZ tKvY Drcb‡nq, G‡ i mgv‡ `B mg‡KvY `B‡U mij ti Lv ci ~ui tQ` Ki‡j Drcb‡ wec‡xc tKvY, tj v ci ~ui mgv‡b 	<ul style="list-style-type: none"> ev~é D~ni Y thgb- tUej, te‡A, eB, e- , BU, BZ~w` i mnvñh" nkÿv_xPv ~ib, Zj , ti Lv I we`y m¤úK‡ Zñ‡ i ce‡avi Yv e~L~v Ki‡te nkÿK c‡qR‡b mnthwMZv Ki‡teb te‡W‡P‡ G‡K Ges c‡ke D‡ti i mnvñh" nkÿv_xPv ti Lv, ti Lusk I iwk‡ e~L~v Ki‡te nkÿv_xPv `j MZ fv‡te ti Lv, ti Lusk I iwk‡ cv_R" QKvKv‡i Dc~vcb Ki‡te nkÿv_xPv KvMR fv‡R K‡i nksev kj vKvI mnvñh" mij tKvY, m¤úK‡ tKvY, mibmZ tKvY `Zwi K‡i e~L~v Ki‡te nkÿK tKvY `Zwi I e~L~v Ki‡Z mnvqZv Ki‡teb nkÿv_xPv we‡fbœai‡bi mibmZ tKvY A‡b K‡i ci‡gvc Ki‡te Ges wec‡xc tKvY, tj v th ci ~ui mgv‡b Zv hPvB Ki‡te t~j , eB, LvZv, te‡A ev tUetj i gjLvg‡L `Bav‡ I tijj vB‡bi Q‡ei mnvñh" nkÿK mgv‡l‡j mij ti Lv, tQ` K Ges Drcb‡ tKvYmg‡ni avi Yv ~uo K‡teb c‡kv‡mk `B‡Rb nkÿv_xPv mgv‡l‡j mij ti Lv I tQ` K‡i we‡fbœP‡ A‡b K‡te nkÿv_xPv ci ~ui i m‡_ Av‡j vPv K‡i GKv‡i tKvY I Ab‡c tKvY P‡vZ K‡i e~L~v Ki‡te nkÿK c‡qR‡b mnvqZv Ki‡teb 	<ul style="list-style-type: none"> nkÿv_xPv ev~é D~ni Y thgb- tUej, te‡A, eB, e- , BU, BZ~w` i mnvñh" nkÿv_xPv ~ib, Zj , ti Lv I we`y m¤úK‡ Zñ‡ i ce‡avi Yv e~L~v Ki‡te nkÿK ch‡eyY K‡i gj "vqb Ki‡teb ti Lv, ti Lusk I iwk‡ cv_R" QKvKv‡i Dc~vcb Kivi mgq tg‡LK thvM‡hvM `yZv gj "vqb Ki‡teb mibmZ g‡b‡‡Ei mnvñh" `j MZ KvR gj "vqb Ki‡teb c‡k‡‡Ei i g‡at‡g gj "vqb Ki‡teb nkÿv_xPv tR‡ovq KvR Kivi mgq nkÿK ch‡eyY K‡teb Ges nkÿv_xPv mnthwMZv gj K gtb‡fv‡e gj "vqb Ki‡teb tk‡Yi KvR I tk‡Y A‡f‡yvi g‡at‡g gj "vqb Ki‡teb

Iô Aa'vq : R'wguZi tgšij KaviYv (20 wciqW)

Pj gvb 2

wkLbdj	welqe~'	wkLb-tkLbfv wb` Rbv	gj vqb wb` Rbv
5. mgvšlj i j ti Lv eYøv Ki‡Z cvite	• mgvšlj i j ti Lv	• wkÿK newfbœai‡bi w̄fRi w̄P̄ I GKwU OK cÖZwU `tj mieivn Ki‡eb wkÿv_xP̄ w̄fRi evu I tKvY `tj v cwi gic K‡i `j MZfvte OKwU c‡Y Ki‡e wkÿK c‡YKZ O‡Ki gra‡tg wkÿv_xP̄ i evutft` I tKvYtf` w̄fRi aviYv cwi®vi Ki‡eb	
6. `BwU mgvšlj i j ti Lv I GKwU tQ` K Øiv Drcbœ tKvYmgv eYøv I c‡qM Ki‡Z cvite			
7. evutft` I tKvYtf` w̄fR e'vLv Ki‡Z cvite	• evutft` I tKvYtf` w̄fR (mgevù w̄fR, mgvševù w̄fR, wel gevù w̄fR, mÿ‡KvYx w̄fR, `j tKvYx w̄fR, mg‡KvYx w̄fR maúwK‡ e'vLv Ges G, tji v‡K w̄PwYz Ki‡Z cvivi Rb mnR mgm'v)		
8. eM©AvqZ, i¤m I mgvšli K w̄PwYz Ki‡Z cvite	• eM©AvqZ, i¤m I mgvšli K	• wkÿv_xP̄ tRvoq tRvoq Zv` i R'wguZ et. _vKv 30°-60°-90° gtci `BwU tmU `qvi mwR‡q GKwU AvqZ Zwi Ki‡e wkÿK AvqZwU tKvY I evui `ewko` wkÿv_xP̄ i ej ‡Z ej ‡eb c‡qR‡b wkÿK mn‡hwMzv Ki‡eb Abjcfvte, 30°-60°-90° I 45°-45°-90° gtci tmU `qvi i mwv‡h eM© i¤m I mgvšli K Zwi Ki‡e Ges Zv` i `ewko` `tj v ej ‡eb c‡qR‡b wkÿK mnwqZv Ki‡eb	

mßg Aa"vq : e"enwi K R"wgwZ

(25 wciqW)

wkLbdj	welqe"	wkLb-tklvibv wb`Rbv	gj "vqb wb`Rbv
<p>e"e"ek</p> <p>1. GKU wb`@ ti LvsKtK cwigvc KitZ cvite </p> <p>2. cØ E Z_ e"envi Kti ti LvsK A%b KitZ cvite </p> <p>3. wenfbagutci tKvYi wP A%b KitZ cvite </p>	<ul style="list-style-type: none"> • ti LvsKtK cwigvc • ti LvsK m¤úKZ A%b <ul style="list-style-type: none"> ◦ GKU wb`@ cwigutci ti LvsK ◦ GKU wb`@ ti LvsKtK mgwØLÉK ◦ GKU wb`@ ti LvsKtK Ašt- tKvibv we`Z j [¤] ◦ GKU wb`@ ti LvsKtK ewnt- tKvibv we`yntZ j [¤] • tKvY m¤úKZ A%b <ul style="list-style-type: none"> ◦ m¤tKvY, -j tKvY, mgtKvY, m¤úwZ tKvY, c¤K tKvY, m¤útK tKvY, mij tKvY ◦ K¤úm e"envi Kti wb`@ cwigutci tKvY ◦ cØ E tKvYi mgub Kti tKvY ◦ GKU wb`@ tKvYi mgwØLÉK 	<ul style="list-style-type: none"> • wkyK wb`Rbv c¤vb Kti wkyv_x i terWtWtK wenfbœ R"wgwZ A%b Kiteb Gfvte KtqKRb wkyv_x i w tq terWtWtbi ci cØZ K wkyv_x cØ E wb`Rbv Abhvqx LvZvq A%b KitE wkyK c¤qRbxq mnthwMzv Kiteb 	<ul style="list-style-type: none"> • wkyv_x i terWtWtK R"wgwZ e. e"envi Kti AwKtZ w tq gj "vqb Kiteb • tKvYi KvR w tq wb`@ gvb`tÈi wfÈtZ gj "vqb Kiteb • ewoi KvRi mwnt" gj "vqb Kiteb

Aóg Aa^vq : Z_ | DcvE (10 m^vni qW)

nkLbdj	neqe ⁻	nkLb-tkL ^b bv wb ^t Rbv	gj ^v qb wb ^t Rbv
ep^eExq 1. Z_ DcvE Kx Zv e ^v Lv Ki ^t Z cv ^v te	• Z_ DcvE	<ul style="list-style-type: none"> nk^yK K^tqKRb nk^yv^f Kj g msM^b K^ti G^t i μqgj^v te^tW^o ij^v tL c^tkE^ti i gva^vg Z_ DcvEi avi Yv t^teb Kj tgi tgw gj^v tK Kj tgi msL^v w^tq f^tM Ki^tZ ej^veb Ges μqgj^v μg Abj^vi m^vRtq ga^vK i c^tp^tKi avi Yv e^vLv Ki^teb Aweb^v DcvE t^tK Mo, ga^vK i c^tp^tK wbYq 	<ul style="list-style-type: none"> tk^Yi KvR w^tq wb^t @ gvb^vt^ti wf^tE^tZ gj^vqb Ki^teb nk^yv^f i GKKf^te LvZvq m^vm^v mgvavb Ki^tZ w^tq gj^vqb Ki^teb nk^yv^f i eqm ev D^tPZvi Z_ msM^b K^ti Mo, ga^vK, c^tp^tK wbYq Kivi wb^tRbv t^teb nk^yK c^tPRb nk^yv^fK te^tW^o mw^tb mw^tex^tf^te ` n^to Kwi t^tq Zv^t i D^tPZv eivei we^v y^tj v^tPiyZ Ki^teb Ges ch^tqutg th^tM K^ti ti L^twP^ti avi Yv t^teb nk^yK ti L^twP^t A^tbi eYv Ki^teb nk^yv^f ti L^twP^t A^tbi Abj^vb Ki^teb nk^yv^f tKt^tb^v cix^vq c^tB b^tii ti L^twP^t A^tbi K^ti e^vLv Ki^teb
gt^bt^tcukR 4. ti L ^t wP ^t A ^t b Ki ^t Z cv ^v te	• DcvE ^t K ti L ^t wP ^t c ^t K ^t K		<ul style="list-style-type: none"> nk^yv^f i te^tW^oW^tK ti L^twP^t A^tK^tZ w^tq gj^vqb Ki^teb tk^Y Awf^vi gva^vg gj^vqb Ki^teb ewoi K^tRi m^vn^th^v gj^vqb Ki^teb

7. tj LK **ib‡` Rbv**

cëg Aa"vq : "fweK msL"v I fMsk

1. A½ c½Zb Ges t` kxq I A½R½ZK MYbv i½Zi Avtj vPbv _vKte |
2. tg½ij K msL"v, th½MK msL"v I mn½g½ij K msL"vi eYØvi cþivtj vPbv _vKte |
3. 2, 3 I 5 Øiviv wefvR"Zv cþivtj vPbv c½Rj I tMgtmi gva"tg _vKte |
4. 4 I 9 Øiviv wefvR"Zv ik½v_x½K½`K Kvh½tgi gva"tg D`vni Ymn e½L"v _vKte |
5. "fweK msL"vi M.mv., I j .mv., ibYø c×½Zi cþivtj vPbv _vKte |
6. mvarvi Y fMsk I `kugK fMsk½ki D`vni Y I e½L"v _vKte |
7. fMsk I `kugK msL"vi eÜbx e"envi Kti mi½j i ibqg D`vni tYi mvarvth eYØv _vKte |
8. fMsk I `kugK fMsk Gi M.mv., I j .mv., mij xKiY Ges M½Y½ZK mgm"vi D`vni Y I Ab½kjxj bx _vKte |

ibZiq Aa"vq : Ab½vZ I kZKiV

1. Ab½vZi e½L"v w`‡Z nte |
2. mij Ab½vZ, e"l Ab½vZ, ugk½Ab½vZ D`vni Ymn e½L"v _vKte |
3. kZKiV½K mvarvi Y fMsk½K Ges fMsk½K kZKiVq c½k Kivi c×½Zi cþivtj vPbv _vKte |
4. H½KK ibqg I kZKiV mvarvtei eYØv D`vni Ymn _vKte |
5. H½KK ibqg I kZKiV mvarvtei mvarvth mgq I KvR, mgq I Lv~, mgq I `iZiweIqK M½Y½ZK mgm"vi D`vni Y I Ab½kjxj bx _vKte |

ZZiq Aa"vq : cY½sL"v

1. cY½sL"vi avi Yv I emkó msL"v Kwd (Number Card) I msL"v ti Lvi (Number Line) mvarvth e½L"v _vKte |
2. tLj vi gva"tg cY½sL"v Kbv³Ki‡Yi eYØv _vKte |
3. msL"v ti Lvq Kf½te cY½sL"v emt½Z nq Ges tQvU-eo Zj bv Ki‡Z nq Zvi e½L"v _vKte |
4. PÝhþ msL"vi thwM I weq½Mi ibqg D`vni Ymn e½L"v _vKte |
5. msL"v ti Lvq msL"vi Ae"ib Ges msL"v ti Lvi mvarvth thwM I weq½M c½uqvi eYØv _vKte |
6. Ab½kjxj bx _vKte |

PZL ©Aa vq : exRMwZxq iwk

1. msL vi cwi e‡Z©exRMwYZxq c‡xK, Pj K eenvi Kivi cx‡Zi e‡L v _vKte |
2. exRMwYZxq iwk, mnM, mPK, m`k I mem`k c` D`vni Ymn e‡L v _vKte |
3. exRMwYZxq iwk i thwM, we‡qutMi wbqtgi D`vni Ymn eYv Ges Abkjxj bx _vKte |

cÂg Aa vq : mij mgxKiY

1. GKwJ AÄvZ iwk wewk mij mgxKi‡Yi e‡L v _vKte |
2. mij mgxKi‡Yi mgvavbi wbqg D`vni Ymn eYv _vKte |
3. ev-é mgm vi wf‡Z mgxKiY MvB Ges mgvavbi e‡L v _vKte |
4. Abkjxj bx _vKte |

Iô Aa vq : RwgwZi tgšij K avi Yv

1. ev-é D`vni Y I wP‡†i mnvith ‐vb, Zj , ti Lv, I we`j c‡ivtj wPbv _vKte |
2. we`y, ti Lv, Zj m¤úKZ ‐Ztm‡tj v D`vni‡Yi mnvith e‡L v _vKte |
3. ti Lv, ti Lusk , iwk Ges tKvY m¤úKZ Dccv` mngr hvPvB Kivi Rb` wkyv‡K `K Kvhpig msfhvRb Ki‡Z nte |
4. mgvšij mij ti Lv I Drccb‡KvY ‐tj vi e‡L v wP‡†i mnvith _vKte |
5. evùtf‡t` I tKvYtf‡t` wP‡†i Rv e‡L v Ges eM©AvqZ, i¤m I mgvšij K wPyZKiY weIq, ‐tj v Kvhpigwf‡K (activity based) ntZ nte |
6. Abkjxj bx _vKte |

mBg Aa vq : eenvvi K RwgwZ

1. ti Lusk cwi g‡ci Rb` nt‡Z-Kj tg KvR Kivi DcthvMx tkwYKvh‡gi Dtj L _vK‡Z nte |
2. ti Lusk m¤úKZ A‡b, tKvY m¤úKZ A‡b, ‐tj v wP‡†i mnRf‡te Dc ‐vcb Ki‡Z nte |
3. wLbdj ARb DcthvMx Abkjxj bx _vKte |

Aog Aa vq : Z_ Dcv‡E

1. Z_ I Dcv‡Ei D`vni‡Yi gva‡g e‡L v _vKte |
2. Aweb` Dcv‡Ei Mo, ga‡K I c‡i K wbY‡q eYv Ges G msjuši D`vni Y _vKte |
3. weifbmDcv‡E ‐t‡K wKf‡te ti LwP‡t A‡b Kiv hvq Zvi eYv D`vni Y _vKte |
4. Abkjxj bx _vKte |

8. ॥କ୍ୟାମ୍ବଗ ରକ୍ଷଣ ମହିଳା ତକାମ୍ବୀ

cōg Aāvq : gj` -Agj` msL̄v

(15 nciqll)

nkLbdj	velqe-	nkLb-†kLvtbv wb‡` Rbv	gj` vqb wb‡` Rbv
epēEaq	<p>1. gj` Agj` msL̄v kbr³ Ki‡Z cvi‡e </p> <p>2. msL̄v i Lvq gj` Agj` msL̄vi Aēvb t` Lv‡Z cvi‡e </p> <p>3. msL̄vi eM⁹j eM⁹j ēvL̄v Ki‡Z cvi‡e </p> <p>4. Drcv` K I fM c̄lqpi gvātg eM⁹j wYq Ki‡Z cvi‡e </p> <p>5. msL̄vi eM⁹j c×lZ t̄j v c̄lqM K‡i ev-ē Rxetbi mgm̄vi mgvavb Ki‡Z cvi‡e </p> <ul style="list-style-type: none"> • gj` -Agj` msL̄v • eM⁹tj i avi Yv • wewfbacKvi msL̄vi eM⁹j wYq • eM⁹tj i ēenwi K c̄lqM K‡i mgm̄v mgvavb 	<ul style="list-style-type: none"> • nkÿK K‡qKu msL̄v tevWqj tL gj` Agj` msL̄vi eYv Ki‡eb Ges nkÿv_‡ i wewfbomsL̄v wj L‡Z w‡q gj` Agj` msL̄v kbr³ Ki‡Z ej‡eb • nkÿtKi wb‡` fk nkÿv_‡ tevWq msL̄v i Lv A½b Ki‡eb Ges wewfbogj` Agj` msL̄vi Aēvb msL̄v i Lvq tKv_vq n‡e Zv wb‡` R Ki‡eb • nkÿK D`vni‡Yi mnvth msL̄vi eM⁹j eM⁹j ēvL̄v Ki‡eb Ges msL̄vi eM⁹j wYq Drcv` K I fM c̄lqpi eYv Ki‡eb nkÿv_‡ i wewfbomsL̄vi eM⁹j tei Ki‡e c̄lqR‡b nkÿK mnvqZv Ki‡eb • nkÿtKi wb‡` Rbvq nkÿv_x eM⁹tj i c×lZ t̄j v c̄lqM K‡i MwYvZK mgm̄v mgvavb Ki‡eb 	<ul style="list-style-type: none"> • nkÿK nkÿv_‡ i KvR N‡i N‡i chfeyY Ki‡eb • tgšLK c̄lqR‡i i gvātg gj` vqb Ki‡eb • tkvY KvRi mnvth gj` vqb Ki‡eb • nkÿv_‡ i tevWqW‡K mgm̄v mgvavb Ki‡Z w‡q gj` vqb Ki‡eb • tkvY Awfÿvi mnvth gj` vqb Ki‡eb

ԹՀԱկ Ապար : մցվեց լ յրֆ-ՊիԶ (15 ԽՎԻ զՎ)

ԱկԼօճյ	ՆԵԼՔԵ՛Ր	ԱԿԼԲ-ԴԿԼՎԵԲ ԱԲՌԲՎ	ՋՎՔ ԱԲՌԲՎ
ԵՐԵՔ <ol style="list-style-type: none"> 1. ԵՒԻԿ Լ ԱՎԵՎԵԿ ԱՅԾՎ ԵՎԼՎ ԿԻՇ ԸՎԵԼ 2. ՄԳՎԵՎՑ ԶԻ ԱՎԻ ԵՎ ԵՎԼՎ ԿԻՇ ԸՎԵԼ 3. ՄԳՎԵՎՑ ՄՏՄՎՇԻ ՄԳՄՎ ՄԳՎԱԲ ԿԻՇ ԸՎԵԼ 4. ԿՀԿԻՎ ՄՏՄՎՇԻ ՄԳՄՎ ՄԳՎԱԲ ԿԻՇ ԸՎԵԼ 5. ՀՈԿԿ Լ ԱՅԾՎ ԵՇԵՎ ԿԻ ԵՎ ԵՎԼԵԲ <ul style="list-style-type: none"> • մգq Լ ԿՎR • bj Լ տPՇԵՐ'Pv • մգq Լ ՝Zj • tbSKv Լ տmZ ՆԵԼQK մգմՎ մցվաբ ԿԻՇ ԸՎԵԼ 6. յՐՓ-ՊիԶ Kx ՀՎ ԵՎԼՎ ԿԻՇ ԸՎԵԼ 7. յՐՓ-ՊիԶ ՄՏՄՎՇԻ ՄԳՄՎ ՄԳՎԱԲ ԿԻՇ ԸՎԵԼ 8. Ki, fՎU, Kugkb Լ յՎ ՆԵԼBQ ՄՏՄՎՇԻ ՄԳՄՎ ԲՐԵԲI ՄԳՄՎ ՄԳՎԱԲ ԿԻՇ ԸՎԵԼ 9. ՝b ԲՐԵԲI ՄN R ՄՎYZK ՎՆՄՎԵ ԱԲԿՎ ԿԻՇ ԴՐՄՎՆ 	<ul style="list-style-type: none"> • ԵՒԻԿ Լ ԱՎԵՎԵԿ ԵՎԼՎ ԿԻՇ ԸՎԵԼ • ՄԳՎԵՎՑ ԶԻ ԱՎԻ ԵՎ ԵՎԼՎ ԿԻՇ ԸՎԵԼ • ՄԳԿ ՄԳՎԵՎՑ, ԴԻՎԿ Լ ՄԳՎԵՎՑK ԲՎM • fMsտK ԿՀԿԻՎ ԸԿՎ Ges կՀԿԻՎ կMsտK ԸԿՎ • ՀՈԿԿ Լ ԱՅԾՎ ԵՇԵՎ ԿԻ ԵՎ ԵՎԼԵԲ <ul style="list-style-type: none"> • մգq Լ ԿՎR, bj Լ տPՇԵՐ'Pv, մգq Լ ՝Zj թbSKv Լ տmZ ՆԵԼQK մգմՎ • յՐՓ-ՊիԶ ԱՎԻ ԵՎ ԵՎԼՎ ԿԻՇ ԸՎԵԼ • յՐՓ-ՊիԶ ՄՏՄՎՇԻ ՄԳՄՎ • Ki, fՎU, Kugkb Լ յՎ ՆԵԼBQ ՄՏՄՎՇԻ ՄԳՄՎ 	<ul style="list-style-type: none"> • ԴԿԱ ԿԵՐ ԱԲՎԵՑ ԵՎԼՎ ԿԻՇ ԸՎԵԼ • ՄԿՅՎ ՄԿՅՎ ԱԲՎԵՑ ՄՊԱԿ ՀԵՎ ՀՎՊԲ ԿԻԵԲ • ՄԿՅՎ ՄԿՅՎ ԿԻ ՄՆՎԶՎ ՀՈԿԿ Լ ԱՅԾՎ ԶԻ ԱԲՎԵՑ ԵՎԼՎ ԿԻՇ ԸՎԵԼ • ԵՎ ԵՎԼԵԿ ՄԳՄՎ ՄԳՎԱԲ ԿԻՇ ՎԵԼ ՋՎՔ ԱԲՌԲՎ • ԵՎ ԵՎԼԵԿ ՄԳՄՎ ՄԳՎԱԲ ԿԻՇ ՎԵԼ ՋՎՔ ԱԲՌԲՎ • ԴԿԱ ԿԵՐ ԱԲՎԵՑ ԵՎԼՎ ԿԻՇ ԸՎԵԼ • ՄԿՅՎ ՄԿՅՎ ԱԲՎԵՑ ԵՎԼՎ ԿԻՇ ԸՎԵԼ 	
ԱՎԵՄԿ			

ZZxq Aa^{vq} : cwi gvc (10 mci qW)

nkLbdj	velqe ⁻	nkLb-tkLvtv vbt` Rbv	gj "vqb vbt` Rbv
ekxeExq			
1. ^N°cwi gvtci AvštmxúK°e vL'v KitZ cvi te Ges G msjuší mgm v mgvaib KitZ cvi te	• ^N°cwi gvc	<ul style="list-style-type: none"> IkýK `B cxi Zi cwi gvc K t-j mievn Kiteb Ikýv_xPv wvfbœ cwi gvtci wZbuU iwk ev KvV ev wdZv vbtq Dfq cKvi t-dj i mnvth cwi gvc Kitel Gfvte Ikýv_xPv cwi gvc K `Bui AvštmxúK wYq Kitel IkýK c0hvR` tjt mnthwMZv Kiteb IkýK DcKitYi mnvth` Rb cwi gvc Zij c`vP AvqZtbi cwi gvc e vL'v Kiteb Ges Ikýv_xP i cwi gvtci GKK,tj vi gta múK°QK AvKt i wj tL c0 k0 KitZ ej teb Ikýv_xPv `j MZfvte Zt-i teA, tuej, `i Rv, Rvbij v BZ w i ^N° I c0t-dj i mnvth` tgfc tjt dj wYq Kitel 	<ul style="list-style-type: none"> Ikýv_xP i tevW°cwi gvtci GKK,tj vi gta mÚK°QK AvKt i wj LtZ w tq gj "vqb Kiteb c0k0t i mnvth` Ikýv_xP i KvR gj "vqb Kitel
gtbvtcukR			
3. wvfbœt-j eenvi Kti AvqZvKvi I emKvi tjt i ^N°c0 c0 cwi gvc Kiti tjt dj wYq KitZ cvi te		<ul style="list-style-type: none"> Ikýv_xPv `j xqfvte wvfbœcwi gvc Ki mnvth` Zij c`vP I Rb I AvqZb wYq Kitel IkýK cwi gvc msjuší Abkjx bxi mgm v mgvaib Rb ikýv_xP i ej teb Ges c0qRbxq mnvqZv t-teb eenvi Kfvtte ikýv_xPv I Rb I Zij c`vP AvqZb cwi gvc Abgvb Kitel Ges cwi gvc Ki mnvth` tgfc Zv hvPb Kitel 	<ul style="list-style-type: none"> tkiyi KvR I tkiy Avfjyi mnvth` gj "vqb Kitel Ikýv_xP i tK ntZ Kj tg teA, tuej, `i Rv, Rvbij v cwi gvc KitZ w tq chfeytYi gva tg gj "vqb Kitel ntZ Kj tg Zij c`vP I Rb I AvqZb cwi gvc KitZ w tq chfeytYi gva tg gj "vqb Kitel
4. I Rb cwi gvtci wvfbœ cwi gvcK eenvi KitZ cvi te	• AvqZvKvi I emKvi tjt i tjt dj cwi gvc		
5. Zij c`vP AvqZb cwi gvtci wvfbœcwi gvcK eenvi Kit cwi gvc KitZ cvi te			
6. ^b w b Rxe tb AvbgwibK cwi gvc KitZ cvi te			

PZL ©Aa"vq : exRMWYZxq iwlki , Y I fM (10 mci qW)

wkLbdj	welqe -'	wkLb-tkLwfbv wb‡` Rbv	gj "vqb wb‡` Rbv
eþeþxq 1. exRMWYZxq iwlki , Y I fM Ki‡Z cwlte 2. eÜbx e'en‡i i gva‡g exRMWYZxq iwlki thwM, we‡qM, , Y I fM msþvšl ^ bw` b Rxetbi mgm"vi mgwvb Ki‡Z cwlte	<ul style="list-style-type: none"> • exRMWYZxq iwlki , Y I fM • eÜbx e'en‡i i gva‡g thwM, we‡qM, , Y I fM msþvšl mgm"vi 	<ul style="list-style-type: none"> • wkyK D`vnitYi mnvth exRMWYZxq iwlki , Y I fM te‡W©K‡i t`Lwfb wkyv _ Zv Abkjxj b Kite • wkyv _ exRMWYZxq iwlki thwM, we‡qM, , Y I fM eÜbx i gva‡g mij xKiY K‡i mgm"vi mgwvb Kite c‡qyR‡b wkyK mnvqZv Kiteb 	<ul style="list-style-type: none"> • tk©Yi KvR I tk©Y Aifyvi mnvth gj "vqb Kiteb • tg‡LK c‡k‡Etii i gva‡g gj "vqb Kiteb
Avtelmxq 3. exRMWYZxq mgm"vi mgwvb AvMbx n‡e			

cÂg Aa vq : exRMwYZxq mÂvnej I cÖqmM (12 vcmi qW)

vkLbdj	velqe-	vkLb-tkLvfbv wb` Rbv	gj `vqb wb` Rbv
<p>exRMwYZxq mÂvnej I cÖqmM</p> <ol style="list-style-type: none"> 1. $(a+b)^2 = a^2 + 2ab + b^2$ 2. $(a-b)^2 = a^2 - 2ab + b^2$ 3. $a^2 - b^2 = (a+b)(a-b)$ 4. $(x+a)(x+b) = x^2 + (a+b)x + ab$ <p>Abymxvšmgä Ges cÖqmM</p> <ol style="list-style-type: none"> 1. $a^2 + b^2 = (a+b)^2 - 2ab$ 2. $a^2 + b^2 = (a-b)^2 + 2ab$ 3. $(a+b)^2 = (a-b)^2 + 4ab$ 4. $(a-b)^2 = (a+b)^2 - 4ab$ 5. $(a+b)^2 + (a-b)^2 = 2(a^2 + b^2)$ 6. $(a+b)^2 - (a-b)^2 = 4ab$ 7. exRMwYZxq iwmki Drcv` tK metkdy 8. fvR, fvRK, wYZK I , YbxqK 9. M.mv., I j.mv., wbYq Kiteb 	<ul style="list-style-type: none"> • $\text{ikyv}_\text{f} \text{i } \text{mijup AskMöfYi gva`tg ikyK , Y cÖlupq exRMwYZK eÖMP mÂ cÖZcr` b Kiteb$ • $\text{ikyK exRMwYZxq mÂvnej } (a+b)^2 \text{ Gi R`wgvZK e`vL`v t`teb }$ • $\text{Avtj vPbvi gva`tg ikyv}_\text{f} \text{v eMÖmsvsi Abymxvšmgä `j xqfvte ej tL Dc`vcb Kiteb }$ • $\text{ikyv}_\text{f} \text{v eÖMP mÂvnej Abymxvšleenvi Kiteb Drcv` tK metkdy Kiteb }$ • $\text{ikyK exRMwYZxq w`c`x iwmki M.mv., I j.mv., D`vnitYi mvnvth` tevSvteb Ges G,tj v wbYq Kiteb t`teb }$ 	<ul style="list-style-type: none"> • $\text{mÂvnej vPbvi mgq tgSMLK cÖlupq exRMwYZK eÖMP mÂ cÖZcr` b Kiteb }$ • $\text{ikyv}_\text{f} \text{v ceAvb hvPvB Kiteb }$ • $\text{ikyv}_\text{f} \text{v tervW`WtK mgm`v mgvavb Kiteb }$ • $\text{tRvovq I `j MZ KvR w`tq gj `vqb Kiteb }$ • $\text{tköYi KvR I tköY Avföyi mvnvth` gj `vqb Kiteb }$ 	

Iô Aavq : exRMWYZxq fMus^k (8 mciqW)

nkLbdj	velqe ⁻	nkLb-tkLvtbv wb ^t Rbv	gj vqb wb ^t Rbv
epxe^tXq 1. exRMWYZxq fMus ^k Kx Zv e'vL'v Ki ^t Z cvite 2. exRMWYZxq fMus ^t K j N ^t KiY I mvaviY ni w ^t nkó Ki ^t Z cvite 3. exRMWYZxq fMus ^t ki thM, w ^t qM Ges mij Ki ^t Z cvite	<ul style="list-style-type: none"> fMus^tki aviYv I fMus^tki j N^tKiY Aba^tZbuU fMus^tK mvaviY ni w^tnkó Ki^tY fMus^tki thM, w^tqM I mij xKiY 	<ul style="list-style-type: none"> W^tyK c^tku^ti gra^tg fMus^tki aviYv hvPvB K^ti exRMWYZxq fMus^tki eYv t^tteb W^tyK D^tni^tYi mvnvh exRMWYZxq fMus^tki thM I w^tqM Ki^tteb W^ty^tv cW^ty^tki Ab^taj bxi mgm^t mgvab Ki^tteb 	<ul style="list-style-type: none"> W^ty^t i tevW^tW^tK mgm^t mgvab Ki^tZ w^tq gj vqb Ki^tteb tk^tYi KvR I tk^tY Aif^tYi mvnvh gj vqb Ki^tteb

mBg Aa"vq : mij mgxKiY (10 mci qW)

nkLbdj	velqe"	nkLb-tkLvtbv wb` Rbv	gj "vqb wb` Rbv
epxeEq 1. mgxKiYi cÿvsl̥ wera, eRb wera, Avo, Yb wera, cÿZmvg wera e'vL̥ Ki‡Z cvite 2. weraamga cÿqM K‡i mgxKiYi mgvarb Ki‡Z cvite 3. mij mgxKiY MVb I mgvarb Ki‡Z cvite 4. tj LwP† Kx Zv e'vL̥ Ki‡Z cvite	<ul style="list-style-type: none"> mij mgxKiY <ul style="list-style-type: none"> mij mgxKiYi aviYv tj LwP† A½b mij mgxKiY MVb, mgvarb (cÿZmvg wera, cÿvsl̥ wera, th‡Mi I ,‡Yi eRb wera e'envi K‡i) Ges Zv tj LwP† cÿ kØ 	<ul style="list-style-type: none"> lkÿK D`vnitYi mnvth" mgxKiY mgvarbi weraamga e'vL̥ Ki‡eb lkÿv_ñi weraamga `j xqfite ej tL Dc`vcb Ki‡eb lkÿv_ñi mgxKiYi mnvamga e'envi K‡i mij mgxKiY MVb I mgvarb K‡i lkÿK‡K t`Lute terWQK tKtU Aÿ wPiyZ K‡i tj L A½ibi cÿqpi e'vL̥ Ki‡eb lkÿv_ñi mgvarbK GKK wb‡q mij mgxKiYi tj LwP† A½b Ki‡eb cÿqRtb lkÿK mnvqZv Ki‡eb 	<ul style="list-style-type: none"> wbañi Z gvb` tÜi mnvth" `j MZ KvR gj "vqb Ki‡eb wbañi Z gvb` tÜi gva"tg tköYi KvR I emoi KvR gj "vqb Ki‡eb lkÿv_ñi QKKMR e'envi K‡i mnKfvte mgm" mgvarb Ki‡Z cvitQ wKbv-Zv hPvB Ki‡eb
gtbvtcikR 5. tj LwP† A¶ I mjeavRbK GKK wb‡q we`yvZb Ki‡Z cvite 6. tj LwP† i mnvth" mgxKiYi mgvarb Ki‡Z cvite			

Aóg Aa^{vq} : mgvšívj mij tiLv (15 wciw qW)

wkLbdj	velqe ⁻	wkLb-tkLvtbv wb [‡] Rbv	gj ^{vqb} wb [‡] Rbv
eþeþq 1. mgvšívj mij tiLv I tQ`K Øiv Drcbæ tKvYi ^{emkó} eLv Ki‡Z cvíte 2. `BnU mij tiLv mgvšívj nl qui kZ ^c Yi Ki‡Z cvíte 3. `BnU mij tiLv mgvšívj nl qui kZ ^c Yi Ki‡Z cvíte	mgvšívj mij tiLv <ul style="list-style-type: none"> • mgvšívj mij tiLv, GKvší tKvY, Abje tKvY, tQ`‡Ki GKB cik^p Ašl⁻ tKvY • `BnU mij tiLv K Aci GKvU mij tiLv tQ` Ki‡j h^v GKvší tKvY, tj v ci⁻úi mgvb nq A_ev Abje tKvY, tj v mgvb nq A_ev tQ`‡Ki GKB cik^p Ašl⁻ tKvY `BnU mgvšívj `B mg‡KvYi mgvb nq Zte H tiLv `BnU mgvšívj -Zv hvPvB Ges Gi weci xZ MwYwZK evKwU hvPvB c^cY Ki‡e 	<ul style="list-style-type: none"> • wkýK mgvšívj mij tiLv I tQ`‡Ki wP[†] teftW[©] GtK wkýv[¶] i GKvší tKvY I Abje tKvYi avi Yv [~]úo Ki‡eb • wkýv[¶] tL^v I tKvY m^uKZ c[¶]E Z_ t‡K nv‡Z Kj tg tg^ct tL^v mgvšívj wk^vb hvPvB I c^cY Ki‡e 	<ul style="list-style-type: none"> • wkýv[¶] tL^v I tKvY m^uKZ c[¶]E Z_ t‡K nv‡Z Kj tg cwigic Kivi mgq wkýK gj^{vqb} Ki‡eb

beg Aa^vq : ව්‍යු fR (20 මුද්‍රා වලි)

ව්‍යුLbdj	වේලපෙ	ව්‍යුLb-ත්‍යක්‍රුව ව්‍යුt Rbv	ග්‍යුව්‍යු ව්‍යුt Rbv
එපෑ එසු 1. ව්‍යුfRi Aශ්‍රී I එවුන් ත්‍යක්‍රුව eYDv Ki‡Z cvi‡e 2. ව්‍යුfRi tgšv K Dccv` „, t j v cgyv Ki‡Z cvi‡e 3. ව්‍යුfRi evu I tKvY cvu ‐ uvi K mpuKcenvi K‡i RxbwvE K mgm vi mgvab Ki‡Z cvi‡e	<ul style="list-style-type: none"> • ව්‍යුfRi Aශ්‍රී I එවුන් ත්‍යක්‍රුව avi Yv • ව්‍යුfR msjuši Dccv` „ I cgyv • ව්‍යුfRi wzb tKvY mgwó `B mgfKvY mgvb • ව්‍යුfRi th tKvYbv `Bu evu mgwó Gi ZZxq evu Atcgv epEi • ව්‍යුfRi GKU evu Aci GKU evu Atcgv epEi ntj , epEi evu weciXZ tKvY yz Zi evu weciXZ tKvY Atcgv epEi nte <p>ව්‍යුfR msjuši mpuv` „</p> <ul style="list-style-type: none"> • ව්‍යුfRi wzbU evu t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • ව්‍යුfRi `Bu evu I G` i AſfP tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • tKvYbv ව්‍යුfRi GKU evu I Gi msj M` Bu tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • ව්‍යුfRi `Bu tKvY I G` i GKU i weciXZ evu t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • tKvYbv ව්‍යුfRi `Bu evu Ges G` i GKU i weciXZ tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • mgfKvYx ව්‍යුfRi AwZfR I Aci GKU evu t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • tKvYbv ව්‍යුfRi `Bu evu Ges G` i GKU i weciXZ tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte 	<ul style="list-style-type: none"> • ව්‍යුyv _Rv tevWq ‐ fRi GKU evu evaZ K‡i ව්‍යුfRi Aශ්‍රී I එවුන් ත්‍යක්‍රුව Zv K‡e ව්‍යුK cgyvRbxq mnvqZv t` feb • ව්‍යුyv _Rv `j xqfvte ව්‍යුfR A½b K‡i evu I tKvY cwi gvc K‡e Ges ව්‍යුfR msjuši Dccv` „, t j v hvPvB K‡e G tÿ†i ව්‍යුK cgyvRbxq mnvqZv t` feb • ව්‍යුyv _Rv ව්‍යුfR msjuši Dccv` „, t j v cgyv K‡e • ව්‍යුK wbt` Rbv cōvb K‡i ව්‍යුyv _R i tevWq WtK wewfbvRwgvZK P† A½b K‡eb Gfvte K‡qKRb ව්‍යුyv _R i w` tq tevWq K‡ebv ci cōZK ව්‍යුyv _R LvZvq A½b K‡e ව්‍යුK cgyvRbxq mnvqZv K‡eb • ව්‍යුyv _Rv ව්‍යුfR tÿ†i fig I D"PVi cwi gvc K‡i ව්‍යුfR tÿ†i fig I D"PVi cwi gvc K‡e 	<ul style="list-style-type: none"> • ව්‍යුK chfeyv I cōk‡Eti gva‡g gj vqb K‡eb • tevWq chfeyv wvq i tWtK Dccv` „, t j v cgyv K‡i gva‡g hvPvB K‡eb • ව්‍යුyv _R i LvZvq wewfbv ai tbi A½b K‡Z w` tq hvPvB K‡eb • ව්‍යුyv _R i tKvY AwfYv mnvqZv gj vqb K‡eb
ග්‍යුව්‍යු 4. wevfbvZwv‡c‡y ව්‍යුfR AvK‡Z cvi‡e 5. ව්‍යුfR tÿ†i fig I D"PVi tgcv tÿ†i dj cwi gvc K‡Z cv‡e	<ul style="list-style-type: none"> • ව්‍යුfRi wzbU evu t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • ව්‍යුfRi `Bu evu I G` i AſfP tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • tKvYbv ව්‍යුfRi GKU evu I Gi msj M` Bu tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • ව්‍යුfRi `Bu tKvY I G` i GKU i weciXZ evu t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • tKvYbv ව්‍යුfRi `Bu evu Ges G` i GKU i weciXZ tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • mgfKvYx ව්‍යුfRi AwZfR I Aci GKU evu t` I qv AvQ, ව්‍යුfRU Auk‡Z nte • tKvYbv ව්‍යුfRi `Bu evu Ges G` i GKU i weciXZ tKvY t` I qv AvQ, ව්‍යුfRU Auk‡Z nte 		<ul style="list-style-type: none"> • nv‡Z Kj tg wevfbv ‐ fRtÿ†i fig I D"PVi cwi gvc K‡Z w` tq chfeyv K‡i gva‡g gj vqb K‡eb • tKvY K‡i tKvY AwfYv mnvqZv gj vqb K‡eb

‘kg Aa^vq: m`kZv I me^vgZv (15 v*ci*qW)

ව්‍යුද්‍ය	වේගේ-	ව්‍යුද්‍ය-ක්‍රුඩ්බ ව්‍යුද්‍ය	ග්‍යුව්බ ව්‍යුද්‍ය
<p>එප්පෙදු</p> <p>1. වේශ්බෝරුගුවZK AvKvi I AvKvZ ntZ me^vg Ges m`k AvKvi I AvKvZ w^vyZ Ki‡Z cvite </p> <p>2. me^vg I m`kZvi gta^v cv_R Ki‡Z cvite </p> <p>3. w^vb @ `ewkto i Avtj w^vK w^vfR I PZfR I m`kZv evL v Ki‡Z cvite </p> <p>4. w^vb @ `ewkto i w^vE‡Z w^vfR me^vgZv c^vy Ki‡Z cvite </p> <p>5. me^vgZv I m`kZvi `ewkto i w^vE‡Z mnR MwYvZK I ev^v mgm^vi mgvab Ki‡Z cvite </p>	<p>me^vgZv I m`kZv</p> <ul style="list-style-type: none"> • me^vgZv I m`kZvi avi Yv (වේශ්බෝ-ත්ග්බ යො, තැනීමා, ඉග්බ BZ w` i මුව්ත්හා) <p>m`kZv</p> <ul style="list-style-type: none"> • w^vfR I PZfR I t^vt^v m`kZv • w^vfR I PZfR I t^vt^v m`kZvi K^vZcq Dccv` h^vPvBK i Y:<ul style="list-style-type: none"> ◦ `Bw w^vfR Abjfc evumtj v mgvbjcwZK ntj w^vfR `Bw m`k nte ◦ `Bw w^vfR GKvUi tKvY t^v v h^v avivewnKfvte AciwUi tKvY t^v vi mgv b nq Zte w^vfR `Bw m`k tKvYx nte ◦ `Bw PZfR Abjfc evumtj v mgvbjcwZK ntj PZfR `Bw m`k nte ◦ `Bw PZfR GKvUi tKvY t^v v h^v avivewnKfvte AciwUi tKvY t^v vi mgv b nq Zte PZfR `Bw m`k tKvYx nte <p>w^vfR me^vgZv</p> <p>Dccv` I c^vy</p> <ul style="list-style-type: none"> ◦ h^v `Bw w^vfR GKvUi `B evu AciwUi `B evu mgv b nq Ges evu `Bw AShfP tKvY `Bw ci- uvi mgv b nq, Zte w^vfR `Bw me^vg ◦ h^v tKv^vb w^vfR `Bw tKvY I GKvUi evu h^vKig Aci GKvUi w^vfR `Bw tKvY I Abjfc evu mgv b nq Zte w^vfR `Bw me^vg ◦ h^v tKv^vb w^vfR wZb evu Aci GKvUi w^vfR wZb evu mgv b nq Zte w^vfR `Bw me^vg ◦ GKvUi mgtKvYx w^vfR A^vZfR I GK evu Ab^v GKvUi mgtKvYx w^vfR A^vZfR I GK evu mgv b ntj w^vfR `Bw me^vg nte • me^vgZv, m`kZvi `ewkto i w^vE‡Z mnR mgm^v 	<ul style="list-style-type: none"> • w^vyv_@ v eB, LvZv I e- BZ w` i මුව්ත්හා me^vg I m`k AvKvi Ges AvKvZi avi Yv j v Kite GB t^vt^v w^vyK c^vqyRbxq mnvqZv c^vvb Kiteb • w^vyv_@ v tRvovq Avtj vPv Kti me^vgZv I m`kZvi cv_R w^vLte • w^vyv_@ v w^vfR I PZfR A^vb Kite Ges j xqfvte w^vfR I PZfR evu I tKvY c^vgvc Kti m`kZvi Dccv` t^v v h^vPvB Kite <p>• w^vyK w^vfba i tbi w^vfR A^vAZ GKvUi Kg@ t^v w^vyv_@ i mieivn Kiteb Kg@ t^v i w^vfR v Abymt i w^vyv_@ v evu I tKvY t^v v c^vgvc Kti w^vfR me^vgZv. h^vPvB Kite </p> <p>• w^vyv_@ v w^vyK mnthwMZvq me^vgZvi Dccv` t^v v c^vy I Kite Dccv` t^v v c^vqM Kti mgm^v mgvab Kite c^vqyRt^v w^vyK mnvqZv Kiteb </p>	<ul style="list-style-type: none"> • tk^vY KvR w^vtq w^vb @ gvb t^vE‡Z g^vyq b Kiteb • ev^vewf^vEK mgm^v mgvab KiteZ w^vtq g^vyq b Kiteb • emoi KvR w^vtq w^vb @ gvb t^vE‡Z g^vyq b Kiteb • te^vW^vCh^vqut^v w^vyv_@ i tW^vK ev GKKfvte LvZvq Dccv` t^v v c^vy I KiteZ w^vtq h^vPvB Kiteb • tk^vY Awf^vyvi mnv^vth^v g^vyq b Kiteb

Gkv` k Aavq: Z_ I DcvE (10 mciqW)

nkLbdj	velqe~'	nkLb-tkLvbt Rbv	gj vqb wb Rbv
<p>epxeEq</p> <p>1. MYmsLv mviwY Kx Zv evlv Ki‡Z cvite </p> <p>2. tkly eearbi gva‡g Aweb~' I DcvE web~' AvK‡i cKik Ki‡Z cvite </p> <p>3. A‡Z AvqZtj L ntZ DcvE m‡K‡e vLv Ki‡Z cvite </p> <p>4. AvqZtj L ntZ c‡ik wbYq Ki‡Z cvite </p> <p>gtb‡cikR</p> <p>5. AvqZtj L A‡b Ki‡Z cvite </p>	<ul style="list-style-type: none"> MYmsLv mviwY tkly eearbi gva‡g MYmsLv mviwY MWb Z_ I DcvEi AvqZtj L AvqZtj L ntZ c‡ik wbYq 	<ul style="list-style-type: none"> nkQzmsL Kkylv_ fl MY‡Z c‡B b‡t wb‡q nkylK MYmsLv mviwY I tkly eearbi gva‡g Gi evlv t‡eb Ges nkylv_ fl i c‡B DcvE t‡K wb‡q tkly eearbi gva‡g MYmsLv mviwY Zwi Ki‡Z ej ‡eb nkylK MYmsLv mviwY t‡K AvqZtj L A‡b ari Yv t‡eb Ges nkylv_ fl i AvqZtj L A‡b Ki‡Z ej ‡eb c‡qR‡b nkylK mnvqZv Ki‡eb nkylv_ fl i eenwi Kfute Aweb~' DcvE‡K web~' AvK‡i cKik K‡i AvqZtj L ntZ c‡ik wbYq Ki‡e Ges nkylK c‡qR‡b mnvqZv Ki‡eb 	<ul style="list-style-type: none"> tg‡LK c‡k‡E ii i gva‡g gj vqb Ki‡eb iba‡i Z gvb` ‡Ui mnvqZv j MZ KvR gj vqb Ki‡eb tkly KvR I tkly Aifyvi mnvqZv gj vqb Ki‡eb iba‡i Z K‡Ri gvb` ‡Ui mnvqZv gj vqb Ki‡eb

10. mBg tkWj MwZ eBtqi Rb` tj LK vbt` Rbv

cüg Aa`vq : gj` -Agj` msL`v

1. gj` I Agj` msL`v e`vL`v _vKte|
2. msL`v eMgj` wbYpq Drcv`K I fM cügvi e`vL`v _vKte|
3. eMgj` wbYpq cxiZ cügvi Mi Rb` MwZK mgm`vi D`vni Y _vKte|
4. eMgj` wbYpq cxiZ cügvi Mi Rb` chB Abkjxj bx _vKte|
5. wefbaatbi ek, iOb Ubj m, Kw`Ayi msL`v, msL`v i Lv, RwgZK wP` BZ`w` i gva`tg c`vUtbP avi Yv e`vL`v _vKte|
6. thM, wefqM, , Y I fM cügvi gva`tg msL`K c`vUtbP avi Yv I Mvb e`vL`vmn D`vni Y I Abkjxj bx _vKte|
7. msL`v aviv, msL`v i Lv, RwgZK wP` WwqMg BZ`w` i gva`tg RwgZK c`vUtbP avi Yv I Mvb e`vL`vmn D`vni Y I Abkjxj bx _vKte|

WZiq Aa`vq : mgvbcvZ I jvf-¶wZ

1. euiwK I ariewwK AbcivZ
2. D`vni`Yi mvnith` fMsk I kZKivi ga`Kvi m¤utK` cþi`vPbv msfhRb Ki`Z nte|
3. þigK mgvbcvZi e`vL`v Ges mgvbcvZ I þigK mgvbcvZi MwZK wbqgvewj i eYDv _vKte|
4. cüZ`nK Rxetb e`enZ D`vni`Yi mvnith` jvf ywZi e`vL`v |
5. jvf ywZ, Krgkb, gj`weibgq, f`U I Ki wbYq D`vni`Yi mvnith` e`vL`v w`Z nte|
6. HwK I AbcivZ e`envi Kti mgq I KvR, bj I tPSev`Pv, mgq I `iZjGes tbSKv I t`iZ weiqK MwZK mgm`vi D`vni Y w`Z nte|
7. Abkjxj bx _vKte|

ZZiq Aa`vq : cwigvc

1. D`vni`Yi mvnith` ^N`cwigvc eYDv _vKte|
2. D`vni`Yi mvnith` I Rb I Zij c`v`_P AvqZb cwigvc e`vL`v _vKte|
3. I Rb cwigvc I Zij c`v`_P AvqZb cwigvc GK`Ki PwU`vKte|
4. wkyv`Pv thb w`Z Kj tg er`e DcKiY cwigvc Kti ^`b` b Rxetb AvbgwbK cwigvc Ki`Z Af`-Inq-G j`y` wkyv`Pv`K KvhPg _vKte|
5. cwigvc e`envi m¤uKZ mgm`v msewj Z Abkjxj bx _vKte|

PZL ©Aa vq : exRMnYZxq i wki , Y I fM

1. exRMnYZxq i wki , Y I fM cxiZi eYL mn D`vniY I Abkjxj bx _vKte |
2. exRMnYZxq i wki thM, weqM, , Y I fM msjušl ^ b Rxešbi mgm v, mgm vi mgvaib I Abkjxj bx _vKte |

cÂg Aa vq : exRMnYZxq m†vej I cōqM

1. eMqibYq exRMnYZxq m† I Abjm xitši eYL v _vKte (m‡e ty† RwgZK eYL v _vKte) |
2. exRMnYZxq m† I Abjm xitši cōqM Kti i wki gvb ibYq i eYL mn D`vniY I Abkjxj bx _vKte |
3. m†i mnvth Drcv †K weški Y ibYq i eYL mn D`vniY I Abkjxj bx _vKte |
4. YbxqK I , yZbU exRMnYZxq i wki msuš KmnM M.mv, I j .mv, , ibYq D`vniY I Abkjxj bx _vKte |
5. AbjYqZbU exRMnYZxq i wki msuš KmnM M.mv, I j .mv, , ibYq D`vniY I Abkjxj bx _vKte |

Iô Aa vq : exRMnYZxq fMusk

1. exRMnYZxq fMuski avi Y eYL mn D`vniY _vKte (m‡e ty† ip† I Qnei gra†g) |
2. AbayqZbU fMuski mvavi Y ni wekóKi†Yi ibq†gi eYBmn D`vniY I Abkjxj bx _vKte |
3. fMuski thM, weqM I mij xKi†Yi ibq†gi eYL mn D`vniY I Abkjxj bx _vKte |

mßg Aa vq; mij mgxKiY

1. mgxKi†Yi weamg†ni (cyvši, eRø, Avo, Yb I cōZmg) eYL mn D`vniY _vKte |
2. weamg† cōqM Kti mij mgxKiY mgvaib tKskj eYBmn D`vniY I Abkjxj bx _vKte |
3. mij mgxKi†Yi MVb cōqv eYL mn D`vniY _vKte |
4. mij mgxKi†Yi mgvaib tj LIP† cōk†bi eYL mn D`vniY I Abkjxj bx _vKte |
5. mgxKi†Yi weamg†ni (cyvši, eRø, Avo, Yb I cōZmg) eYL mn D`vniY _vKte |
6. weamg† cōqM Kti mij mgxKiY mgvaib tKskj eYBmn D`vniY I Abkjxj bx _vKte |
7. mij mgxKi†Yi MVb cōqv eYL mn D`vniY _vKte |
8. mij mgxKi†Yi mgvaib tj LIP† cōk†bi eYL mn D`vniY I Abkjxj bx _vKte |

Aog Aa vq : mgvšivj mij ti Lv

1. cwi cwkR D`vniY I wP†i mnvth mgvšivj mij ti Lv avi Y eYL v KitZ nte |
2. `BwU mij ti Lv mgvšivj nl qvi kZq cōY _vKte |
3. mgvšivj mij ti Lv I tq K Øiv DrcbøtK†Yi cœk†o i eYL v _vKte |

beg Aa^vq : w̄ fR

1. w̄P̄t̄i gva^vg w̄ fRi Ašt̄ I eint̄ tKvY eYb̄ Ki‡Z n̄e |
2. w̄ fR msjuš̄t̄gš̄j K Dccv` „tj vi c̄gvY h̄PvBK i Ymn mnR I mvej xj c̄gvY _vKte |
3. w̄ fRi evū I tKvY m̄uñKZ mgm̄v mgvav̄bi mnR I AvKIP̄q D`vni Y _vKte |
4. c̄v̄E Z‡_i w̄f̄‡Z w̄ fRi A½bi mnR c×w̄Z Aut̄ vPbv _vKte |
5. w̄ fRi fw̄g I D'PZvi cw̄gvc Øiv w̄ fRi t̄ȳt̄dj w̄bYq̄qi c×w̄Z D`vni t̄Yi m̄vnuh̄ Dc̄vcb Ki‡Z n̄e Ges G msjuš̄mgm̄v mseñj Z Abkxj bx _vKte |

`kg Aa^vq : m` kZv I meñgZv

1. eB, LvZv, e- BZw̄ i m̄vnuh̄ meñg I m` kZv i aviYv ēvL̄v Ki‡Z n̄e Ges meñg I m` kZv i cv_R̄ w̄P̄vY Z Ki‡Z n̄e |
2. w̄b̄v Ø̄ewk‡o i w̄f̄‡Z w̄ fR I PZfRi m` kZv i ēvL̄v _vKte |
3. w̄b̄v Ø̄ewk‡o i w̄f̄‡Z w̄ fRi meñgZv c̄gvY _vKte |
4. w̄P̄t̄ I D`vni Y Øiv meñgZv I m` kZv msjuš̄mgm̄v mgvav̄b Ges Abkxj bx _vKte |

GKv`k Aa^vq : Z_ I Dcv̄E

1. MYmsL̄v mv̄iW I t̄k̄Y ēear̄bi D`vni Ymn eYb̄ w̄‡Z n̄e |
2. MYmsL̄v mv̄iW ^Zv i ēvL̄v w̄‡Z n̄e |
3. MYmsL̄v mv̄iW ^Zv , AvqZt̄j L A½b Ges AvqZt̄j L n‡Z c̄Pi K w̄bYq̄ msjuš̄mgm̄v D`vni Y I Abkxj bx w̄‡Z n̄e |

10. ॥kÿng QK Aog tkñ

cög Aa vq: cüÜvb® (10 nciqll)

ükLbdj	velqe-	ükLb-tkLvtbv mbt Rbv	gj vqb mbt Rbv
epxeEq			
<p>1. cüÜvb® avi Yv eüLv KitZ cvite </p> <p>2. wevfbaaitbi cüÜvb® vj Ltz I eYv KitZ cvite </p> <p>3. AvtiwcZ kZöhvqx mnR cüÜvb® Ltz I eYv KitZ cvite </p> <p>4. cüÜtb® mbw ØZg msLv tei KitZ cvite </p> <p>5. cüÜb®K Pj tKi gva tg exRMwYZxq iwkgyj vq cKik KitZ cvite </p> <p>AvteMiq</p> <p>6. msLv mbtq tLj vi gva tg msLvi cÖZ AvMhx ntq DVte </p> <p>7. wevfbaomsLwfEK tLj v ^Zwi tZ mPó nté </p>	<ul style="list-style-type: none"> • cüÜvb®Gi avi Yv • wevfbaaitbi cüÜvb® Mvb I mgm v mgvavb <ul style="list-style-type: none"> ◦ cvRj I tMgm (msLv I Ayi mseij Z) ◦ wefvR'Zv (3 I 4 At%i msLv) ◦ RwgZK cüÜvb® ◦ %iLk cüÜvb® • cüÜb®K Pj tKi gva tg exRMwYZxq iwkgyj vq cKik • cüÜtb® mbw ØZg msLv tei Kiv 	<ul style="list-style-type: none"> • ikýK DvniY I wPf i gva tg cüÜtb® avi Yv t teb ikýv_fi v msLv I RwgZK wPf i mvnvh wevfbaecüÜvb® vj Lte • ikýv_fi v cvRj , tMgm, wefvR'Zv BZw i gva tg wevfbaaitbi cüÜvb® `j xqfite tcv vi tccv i vj tL Dc-vcb KitE ikýK cÖqRt b mnvqZv KitE • wevfbaaitbi cüÜvb® vj tL I wPf A%tbi gva tg ikýv_fi v cüÜvb® m%utK%Zt i ceäavi Yv eYv KitE Gi gta tKib,tj v ^iLk cüÜvb®Zv Dc-vcb KitE ikýK Avtj vPv i gva tg ^iLk cüÜtb® avi Yv ^uo KitE • ikýv_fi v cvRj , tMgm, wefvR'Zv BZw i gva tg ^iLk cüÜvb® `j xqfite tcv vi tccv i vj tL Dc-vcb KitE ikýK wevfbae msLwfEK tLj v ^Zwi tZ DrmvnZ KitE Ges cÖqRt b mnvqZv KitE 	<ul style="list-style-type: none"> • ikýK Nt i Nt i chfeytYi gva tg ikýv_fi v i KvR ntZ Zt i ceäv b gj vqb KitE • ikýv_fi v i tenW%WtK mgm v mgvavb KitZ w tq gj vqb KitE • tköYi KvR, emoi KvR mvnvh gj vqb KitE • cvRj , tMgm Gi cÖZthwMZvi gva tg msLwfEK tLj v ^Zwi tZ ikýv_fi v i AvMh gj vqb KitE

WZKq Aavq: gjvcdv (15 wcmi qW)

ZZaq Aa'vq : cwi gvc (10 vciq)

ikLbdj	welqe-	ikLb-ikLvtbv ibt` Rbv	gj "vqb ibt` Rbv
ek-eEaq 1. t` kxq, weUk I AvšR@ZK cwi gvc cxiZ eüLü KitZ cvi te Ges msukó cxiZi mnvñth ^ N°, tÿl dj , I Rb I Zij c` v_ P AvqZb ibYq mseij Z mgm vi mgvarb KitZ cvi te	<ul style="list-style-type: none"> cwi gvtci t` kxq, weUk I AvšR@ZK cxiZi mpuK t` kxq, weUk I AvšR@ZK cxiZtZ Zij c` v_ P AvqZb ibYq mpuKZmgm vi 	<ul style="list-style-type: none"> ikyv_ni tkMKtyi newfbæ- thgb tUej , teA, t` qyj BZ'w i ^ N° tgic ciketii gra tg Zv tRtb LvZvq wj Lte ikyK G_tj v t_tK iWLK cwi gvtci avi Yv my úó Kiteb Ges G msjušl mgm venj i mgvarb Kiteb ikyK tkMKty (møe ntj) ikyv_ni I Rb cwi gvc Kti Zv i I Rb tRtb tbteb G t_tK I Rb cwi gvtci avi Yv t` teb newfbaputUP gra tg AvšlmuK°tj vi avi Yv ibtq MwYwZK mgm vi mgvarb mnvñZv Kiteb ikyK Zij c` v_ P AvqZb cwi gvtci Rb tkMKty newfbæAvKuZi e-1 mnvñth AvqZb cwi gvtci avi Yv t` teb ikyv_ni ikyK mnvñZvq G msjušl MwYwZK mgm vi mgvarb Kiteb 	<ul style="list-style-type: none"> ikyv_ni ^ N°cwi gvtci mgq ikyK Nj i Nj i chfeY Kiteb Ges tgwLK ciketii gra tg gj "vqb Kiteb ev-é wfEK mgm vi mgvarb KitZ w tq gj "vqb Kiteb nvZ Kj tg KvR w tq gj "vqb Kiteb
gtvtcukR 2. t` kxq, weUk I AvšR@ZK cxiZtZ ^ bñ` b Rxetb cPj Z cwi gvtci mnvñth cwi gvc KitZ cvi te			

PZL ©Aa "vq: exRMwYZxq m̄t veij | c̄qM (12 m̄ni qW)

ıklbdj	vei qe -'	ıklb-ıklvibv ibt Rbv	gj vqb ibt Rbv
<p>epe eEiq</p> <p>1. exRMwYZxq m̄t c̄qM Kti ılc x ılc x iwlki em® ibifcY, mij xKiY gib ibYq KitZ crite </p> <p>2. exRMwYZxq m̄t c̄qM Kti ılc x ılc x iwlki Nb ibYq, mij xKiY gib ibYq KitZ crite </p> <p>3. ga c` wetkdi Yi mnvñt h iwlkguj vi Drcv` K wetkdi Y KitZ crite </p> <p>4. exRMwYZxq iwlkguj vi M.mv. j.mv. , ibYq KitZ crite </p>	<ul style="list-style-type: none"> m̄bg tkıYtZ cwlZ m̄t Abjm x vši c̄qM Kti em® gib ibYq (ılc x/ılc x) thgb- <ul style="list-style-type: none"> ab = $\left(\frac{a+b}{2}\right)^2 - \left(\frac{a-b}{2}\right)^2$ $(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$ Nbdtj i m̄t c̄qM <ul style="list-style-type: none"> $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3 = a^3 + b^3 + 3ab(a+b)$ $(a-b)^3 = a^3 - 3a^2b + 3ab^2 - b^3 = a^3 - b^3 - 3ab(a-b)$ $a^3 + b^3 = (a+b)(a^2 - ab + b^2)$ $a^3 - b^3 = (a-b)(a^2 + ab + b^2)$ Nbdtj i Abjm x vši c̄qM <ul style="list-style-type: none"> $a^3 + b^3 = (a+b)^3 - 3ab(a+b)$ $a^3 - b^3 = (a-b)^3 + 3ab(a-b)$ $x^2 + px + q$ Ges $ax^2 + bx + c$ AvKtii iwlki Drcv` tK wetkdi Y M.mv. j.mv. , ibYq 	<ul style="list-style-type: none"> ıkyi_ř i mnvqZi ıkyK exRMwYZxq iwlki em® Nb ibYq i m̄t veij Abjm x vši mgmvi gib RwgiZK e'vL'vi gva tg Avtj vPbv Kiteb ıkyi_ř i v G msjuvši mgmvi mgvavb tertWKiteb Abkjx bxi mgmvi mgvavb ıkyi_ř i wlR wlR LvZq Kiteb c̄qRtB ıkyK mnvqZi Kiteb ıkyi_ř i terWqWtK mgmvi mgvavb KitZ w tq gj vqb Kiteb tRvoiq `j MZ KvR w tq gj vqb Kiteb ıkyK AbaYq ılc x exRMwYZxq iwlki M.mv. j.mv. , ibYq i ceAvb hPvB Kiteb ıkyK newfbœaitbi exRMwYZxq iwlki M.mv. j.mv. , ibYq cwlZ D`vniYmn eYb Kiteb ıkyi_ř i `j xqfvte KtqKu mgmvi mgvavb Kitb t Lvt Ges c̄qRtB ıkyK mnvqZi Kiteb 	<ul style="list-style-type: none"> m̄t Avtj vPbv mgq tgšLK c̄kutii gva tg ıkyK ıkyi_ř i ceAvb hPvB Kiteb

cÂg Aa'vq : exRMwYZxq fMusik (8 wciqW)

nkLbdj	welqe-	nkLb-†kLwibv ibt`Rbv	gj "vqb ibt`Rbv
exxeEiq 1. exRMwYZxq fMusik thiM, wefqM, „Y I fM KitZ crite Ges GZ`msjušlmi j I mgm'vi mgvaib KitZ crite	exRMwYZxq fMusik • fMusik thiM, wefqM, „Y , fM I mij xKiY	<ul style="list-style-type: none"> nkÿv_ñv exRMwYZxq fMusik thiM I wefqMi mgm'vi mgvaib giva"tg Zv i ce"avi Yv e"vL'v Kitel nkÿK exRMwYZxq fMusik „Y I fM cüqy D`vni Ymn eYv Kitel nkÿv_ñv ibR ibR LvZvq thiM, wefqM, „Y I fM msjušlmgm'vi Abkjxj b Kitel cüqRtb nkÿK mnvqZv Kitel 	<ul style="list-style-type: none"> nkÿv_xP i ibR LvZvq mgm'vi mgvaib KitZ w tq gj "vqb Kitel ewoi KvR w tq ibR @ gub` tEi wfweZ gj "vqb Kitel

Iô Aāvq : mij mnmgxKiY (10 n̄m̄i qW)

nkLbdj	neIqē'	nkLb-†kLutbv nbt̄ Rbv	gj̄ vqb nbt̄ Rbv
ep̄ēExq			
1. mgxKi†Yi c̄lZ̄ vcb c×lZ̄ I Acbqb c×lZ̄ ēvL̄ Ki†Z cvite	• mij mnmgxKi†Yi avi Yv • c̄lZ̄ vcb Acbqb c×lZ̄†Z mij mnmgxKi†Yi (n̄Pj K) mgvavb, MVb Zv tj LwP†̄ c̄l kθ	• wkyK c̄l kĒti i ḡāt̄g wkyv_@ i mij mgxKi†Yi ceAvb hvPvB Ki†eb wkyK D̄vn̄i†Yi mnvth mij mnmgxKiY Kx Zv eYD̄v Ki†eb • wkyK c̄lZ̄ vcb Acbqb c×lZ̄†Z mij mnmgxKi†Yi mgvavbi tKškj MVb c̄l qv D̄vn̄i Ymn ēvL̄ Ki†eb wkyv_@ i G c×lZ̄†Z mgm̄v mgvavbi Abkj b Ki†Z ej †eb c̄l qvRtb wkyK mnvqZv Ki†eb	• tkiYi KvR w̄ tq n̄b̄ @ gvb̄ †Ei wfvĒtZ gj̄ vqb Ki†eb • ewoi KvR w̄ tq n̄b̄ @ gvb̄ †Ei wfvĒtZ gj̄ vqb Ki†eb • ev̄ewfuiEK mgm̄v mgvavb Ki†Z w̄ tq gj̄ vqb Ki†eb
gtbv̄tcukR	• tj LwP†̄ i mnvth mij mnmgxKi†Yi mgvavb	• wkyv_@ v QK KvM‡R wē yvZb K†i ti Lv A½b Ki†eb wkyK QK KvM‡R mij mgxKi†Yi wP† A½b K†i mgvavbi tKškj n̄tZ Kj tḡ K†i † Lv †e c̄lZ̄ K wkyv_@ QK KvM‡R mij mnmgxKi†Yi mgvavb Abkj b Ki†eb c̄l qvRtb wkyK mnvqZv Ki†eb	• n̄tZ Kj tḡ KvR w̄ tq QK KvM‡R wē yvZb gj̄ vqb Ki†eb
AvteMq	6. mnR mgm̄v mgvavbi Rb̄ mgxKiY MVtb AvMȫx n̄te		

mBg Aa''vq : tmU

(10 mci qW)

nkLbdj	velqe'	nkLb-†kLvtbv nbt` Rbv	gj "vqb nbt` Rbv
epetEaq 1. tmU I tmU MVb c̄uqv e'vL'v Ki‡Z cvite 2. mmxg tmU, mweK tmU, c‡K tmU, d‡Kv tmU, nbtñ` tmU eYDv Ki‡Z cvite Ges Zñ` i MVb c‡x‡Ki mnvñh c‡Kv Ki‡Z cvite 3. GKwak tm‡Ui ms‡hM tmU, tQ` tmU MVb I e'vL'v Ki‡Z cvite 4. tfbIP̄ I D`vnitYi mnvñh tmU c̄uqi mnR agfij hPvB I c̄yY Ki‡Z cvite 5. tm‡Ui agfij c̄qM K‡i mgm'v mgwvb KitZ cvite AvtelMq 6. tfbIP̄ i mnvñh MwvñZK mgm'v‡K bñ` nbt` Rbv Dc`vctb m‡Pó nte	<ul style="list-style-type: none"> tmU velfbœckvi tmU (mmxg tmU, mweK tmU, c‡K tmU, d‡Kv tmU, nbtñ` tmU Gi eYDv I MVb) tm‡Ui ms‡hM I tQ` tfbIP̄ tm‡Ui agfij (c‡K, ms‡hM I tQ`) 	<ul style="list-style-type: none"> ikÿK weifbae-'A_ev npt̄ i mnvñh tmU I Dctm‡Ui avi Yv D`vnitYmn teftWœvL'v Ki‡eb ikÿv_ñ` i mnvñZv ikÿK tmU c‡K‡ki weifbaDcvq I MVb c̄uqv teftWœK‡i t` Lvteb ikÿv_ñ` v weifbaDcvq tmU MVb K‡i ikÿK‡K t` Lvte c̄qyRt̄b ikÿK mnvñZv Ki‡eb ikÿK tfbIP̄ i mnvñh tm‡Ui ms‡hM I tQ` c̄uqv teftWœYDv Ki‡eb c‡ZK ikÿv_PtfbIP̄ i mnvñh tm‡Ui ms‡hM I tQ` LvZvq nbt` Rbv ikÿK mnvñZv Ki‡eb 	<ul style="list-style-type: none"> ikÿv_xP i teftWœW‡K tfbIP̄ AuK‡Z w †q gj "vqb Ki‡eb tkñYi KvR w †q nbt` Rbv wñE‡Z gj "vqb Ki‡eb ev-terfñEK mgm'v mgwvb KitZ w †q gj "vqb Ki‡eb

Aog Aavq: PZfR (23 vci qll)

vlLbdj	velqe~'	vlLb-tkLvibv ibt` Rbv	gj "vqb ibt` Rbv
<p>epetEq</p> <p>1. PZfRi agfeyj hvPvB Ki‡Z cve‡e </p> <p>2. PZfRi agfeyj i hy³ gj K cgy Y Ki‡Z cve‡e </p> <p>PZfR msjušlDcvcr` I cgyY</p> <ul style="list-style-type: none"> • PZfRi agfeyj • PZfRi Pvi †Kv‡Yi mgvó Pvi mg‡Kv‡Yi mgvb • mgvšli K i‡m, Uv‡Rqig AuKte A‡Z PZfRi †KvY, †j v cvi gyc K‡i G‡i mgvó th Pvi mg‡Kv‡Yi mgvb Zv hvPvB Kite • mgvšli K‡i KY⁰q ci †ui †K mgv‡L‡EZ K‡i • AvqZ‡y‡i KY⁰q ci †ui mgvb Ges mgv‡L‡EZ K‡i • i‡mi KY⁰q ci †ui †K mg‡Kv‡Y mgv‡L‡EZ K‡i <p>PZfR msjušlmaúv`</p> <ul style="list-style-type: none"> • †Kvibv PZfRi Pvi J evú ^N° I GKvU K‡Y⁰ ^N° †` I qv _K‡j PZfRi J AvK‡Z nte • †Kvibv PZfRi ZbJ evú ^N° I `BvU K‡Y⁰ ^N° †` I qv _K‡j PZfRi J AvK‡Z nte • †Kvibv PZfRi Pvi J evú GKvU †KvY †` I qv _K‡j PZfRi J AvK‡Z nte 	<ul style="list-style-type: none"> • lkÿv_xv weifbaeitbi fRvK‡Zi KvMR ev †KvYx mnRtq Ges kj vKvi mvnvh PZfRi avi Yv e`vL`v Kite lkÿK c‡qRt b mnthwMzv Kiteb • lkÿv_xv c‡Z‡K LvZvq weifbaeitbi PZfR thgb eM°AvqZ, mgvšli K, i‡m, Uv‡Rqig AuKte A‡Z PZfRi †KvY, †j v cvi gyc K‡i G‡i mgvó th Pvi mg‡Kv‡Yi mgvb Zv hvPvB Kite • lkÿv_xv LvZvq mgvšli K G‡K Gi weciZ evú I †KvY, †j v cvi gyc K‡i Dccr` J hvPvB Kite lkÿK lkÿv_xv i mnthwMzv Dccr` J cgy Y Kiteb • lkÿv_xv lkÿ‡Ki ibt` k tevW⁰Mtq mgvšli K, AvqZ, eM° i‡m AuKte G‡i KY⁰q Pvi Z Kite Ges Giv ci †ui mgvb mg‡Kv‡Y mgv‡L‡EZ lkÿv_xv Zv hvPvB K‡i cgy Y Kite c‡qRt b lkÿK mnthwMzv Kiteb • lkÿK ibt` Rbv c‡vb K‡i lkÿv_xv i tevW⁰W‡K weifbaeR mgvZK wP‡ A‡b Kiteb Gfvte K‡qKRb lkÿv_xv i †q tevW⁰Kivibv ci c‡Z‡K lkÿv_xv LvZvq A‡b Kite lkÿK c‡qRbq mnthwMzv Kiteb 	<ul style="list-style-type: none"> • lkÿv_xv weifbaeitbi PZfR ^Zvii mgq lkÿK N‡i N‡i ch‡eyY Kiteb Ges tg‡LK c‡k‡E‡i i gva‡g gj "vqb Kiteb • Dccr` J hvPvB I cgy‡Yi mgq tg‡LK c‡k‡E‡i i gva‡g gj "vqb Kiteb • tkvY KvR Ki‡Z †q gj "vqb Kiteb • tkvY Avfÿvi mvnvh gj "vqb Kiteb 	

Aóg Aa^{vq}: PZfR

(23 m^{ci} q^W)

Pj gvb 2

nkLbdj	we ^{lqe} -'	nkLb- ^t kL ^t bv nk ^t Rbv	gj "vqb nk ^t Rbv
gtbvtcukR 3. cō È DcvÈ n‡Z i ^j vi K¤úm e ^v envi Kti PZfR Auk‡Z cvi te 4. AvqZvKvi Nbe- i nk ^t Auk‡Z cvi te 5. nk ^t fR nk ^t i mnvñth ^o PZfR ty ^t i ty ^t dj cwi gvc KitZ cvi te 6. AvqZvKvi Nbe- i Nb ^t Ki ctoi ty ^t dj cwi gvc KitZ cvi te	<ul style="list-style-type: none"> †Kv^tbv PZfRi wZbU evü ^ N° I AšfP^o `B^tU tKvY † I qv _vKtj PZfRi Auk‡Z nte †Kv^tbv PZfRi `B^tU evü Ges wZbU tKvY † I qv _vKtj PZfRi Auk‡Z nte AvqZvKvi Nbe- I NbK PZfR ty^ti ty^tdj cwi gvc 	<ul style="list-style-type: none"> nk^tK Wv^tvi , BU, eB, PK ev BZ^tw i gva^tg Nbe- Ges j Wi Q° v I i^veK-nKDtei mnvñth^o Nb^tKi avi Yv evL^t Kiteb Gv^te wZb g^tvi R^tnguZK e- i m^t_cwi PZ Kiteb nk^tyv_xP^o nk^tKi mnthwMZvq Nbe- , tj v cwi gvc Kiteb 	<ul style="list-style-type: none"> tev^tW^tkyv_xP^o i tW^tK we^tfb^te ai^tbi A½b KitZ w^tfq hvPvB Kiteb n‡Z Kj tg we^tfb^tNbe- cwi gvc KitZ w^tfq ch^tey^tYi gva^tg gj "vqb Kiteb

beg Aa^vq : ॥c_vtMvivtmi Dccv``

(12 ॥c_vtqW)

॥kLbdj	॥qe`'	॥kLb-॥kLvtbv ॥b` Rbv	gj ``vqb ॥b` Rbv
<p>epe^vEq</p> <p>1. ॥c_vtMvivtmi Dccv`` hvPvB Kt^vi e^vL^v K^tZ cv^vte </p> <p>2. ॥f^tRi ॥Zbu ev^vi ^N^o t^vI qv _vK^tj ॥fRvU mg^vKvYx ॥Kbv-hvPvB K^tZ cv^vte </p> <p>3. ॥c_vtMvivtmi Dccv`` c^vY K^tZ cv^vte </p> <p>4. ॥c_vtMvivtmi m^t e^ven^vi K^ti mgm^v mgv^vb K^tZ cv^vte </p>	<ul style="list-style-type: none"> ॥c_vtMvivtmi Dccv`` i hvPvB, c^vY I c^vqM 	<ul style="list-style-type: none"> ॥k^vv_x^v new^vbagutci ॥Zbu mg^vKvYx ॥fR G^tK ev^v, t^vvi ^N^o cv^vgyc K^tte ॥f^tRi c^vZu ev^vi ^N^oK eM^vy^ti G^tKu ev^va^vi t^vYdj ॥bYq K^tte G^t, t^vK ॥k^vK ॥c_vtMvivtmi Dccv`` hvPvB K^tZ mn^vMZv K^tteb ॥k^vK ॥P^t, gtWj BZ^v i mn^vth^v ॥k^vv_x^v i mn^vMZvq ॥c_vtMvivtmi Dccv`` ॥c^vY K^tteb ॥k^vK ev^v t^vf^tEK D^vni^vYi mn^vth^v ॥c_vtMvivtmi Dccv`` ॥wi c^vqM Av^vPbv K^tteb ॥k^vv_x^v c^vE mgm^v `t^vj mgv^vb K^tte 	<ul style="list-style-type: none"> ॥k^vK ch^ve^vY I c^vk^tE^vi g^va^vg gj ``vqb K^tteb te^vW^v ॥k^vv_x^v i t^vW^vK Dccv`` ॥U c^vY K^tZ ॥t^vq hvPvB K^tteb t^vk^vi KvR I t^vk^v Av^vf^vi mn^vth^v gj ``vqb K^tteb

‘kg Aa”vq: eE (15 nciqW)

nkLbdj	neIqe-	nkLb-tkLutbv ibt` Rbv	gj vqb ibt` Rbv
epeEaq 1. eEi avi Yv j vf KiZ cvi te 2. cvB(π) Gi avi Yv eV Lv KiZ cvi te 3. eEvKvi tyt̄i tyt̄dj cwi mxgv bY Kti mgm v mgvavb KiZ cvi te 4. eE msphsI Dccv` c̄qY KiZ cvi te 5. eE msphsI Dccv` c̄qM Kti mgm v mgvavb KiZ cvi te	eE <ul style="list-style-type: none"> • eEi avi Yv (tKv, Rv, eVm, eVmva©cwi va) • cvB(π) Kx, cvB(π) Gi cwi PvZ cvB(π) Gi gvb • eEvKvi tyt̄i tyt̄dj cwi mxgv cwi gvc Dccv` c̄qY c̄qM <ul style="list-style-type: none"> • eEi tKv Ges th tKv bv Rv Gi ga`je`j msphsRK mij ti Lv H Rv Gi Dci j ae • eEi mKj mgvb Rv tKv tK mg i eZx© • eE msphsI mgm v • tej b 	<ul style="list-style-type: none"> • ikyv_ñi th tKv bv eE GtK Zvi cwi mxgv eVtmi AbcvZ bY Ki te cñZu eEi tyt̄i GB AbcvZi gvb th mgvb Zv ej te Gi gva tg ikyK cvB(π)-Gi avi Yv t teb • ikyv_ñi eEi eVmva©gtc neVfbAvKvii eEi tyt̄dj tei Ki te • ikyv_xi eE msphsI Dccv` t j v P GtK hPvB Ki te ikyv_xi ikyK mi mnthwMzvq Dccv` t j v c̄qY Ki te • ikyv_xi Dccv` c̄qM Kti mgm v mgvavb Ki te • ikyv_xi ntZ-Kj tg tej tbi tyt̄dj bY Ki te ikyK c̄qRtb mnvqZv Ki te 	<ul style="list-style-type: none"> • eE GtK cwi gvc Kvi mgq ikyK ikyv_xi i KvR Nti Nti chfeyY Ki teb Ges tgWLK cñkEti i gva tg gj vqb Ki teb • ikyv_xi i GKKfvte LvZiq AñKtZ w tq gj vqb Ki teb • tkYi KvR tkY AñfYi mnvth gj vqb Ki teb • cwi gvc Kti tyGdj bY Kvi mgq ikyK chfeyY Ki teb Ges cñkEti i gva tg ikyv_xi i K gj vqb Ki teb
gtbvtcikR 6. cwi gvcK wdZv eenvi Kti eEvKvi tyt̄i cwi mxgv tyt̄dj cwi gvc KiZ cvi te 7. PZfR eEi tyt̄dj i mnvth` tej tbi c̄oi tyt̄dj cwi gvc KiZ cvi te			

GKv` k Aa"q : Z_ I DcvE

(15 wciqW)

wkLbdj	welqe"	wkLb-tkLvtbv wb` Rbv	gj "vqb wb` Rbv
ejxeEaq 1. tK` iq cëYZv e"vL" Ki"Z cvi"te 2. MwYiZK m"i i mnvith" Mo, ga"K I cBiK wbYq Kti mgm"i mgvavb Ki"Z cvi"te 3. cvBnP" e"vL" Ki"Z cvi"te	<ul style="list-style-type: none"> • tK` iq cëYZv • Mo, ga"K I cBiK • cvBnP" 	<ul style="list-style-type: none"> • wkyv_fi AvRZ ceAvbi gva"tg tK` iq cëYZvi avi Yv e"vL" Ki"te wkyK newfbod` nni"Yi mnvith" wkyv_xF i avi Yv m"úo Ki"teb • wkyv_fi Mo, ga"K I cBiK m" ,tj wkyK i mnvqZvq `j MZfvte PvU"AvKvti c"l K" Ki"te m" ,tj v AvqE Kti wkyK i mnvqZvq MwYiZK mgm"i mgvavb Ki"te wkyK c"lqRtb mnvqZv Ki"teb • wkyv_fi e"enwi Kfvte Avweb" - DcvE"K web" - AvKvti c"lK" Kti cvBnP" A"b Ki"te Ges wkyK c"lqRtb mnvqZv Ki"teb • wkyK tccvi ev newfbodrm n"Z cvBnP" Dc"wcZ Z_ mieivn Ki"teb wkyv_xF cvBnP" e"vL" Ki"te c"lhiR" ty"t wkyK mnthwMZv Ki"teb • wkyK weMZ `B-wZb eQi i we"yj tqi cvtmi DcvEmga wkyv_xF i mieivn Ki"teb wkyv_xF `j MZfvte weMZ eQi ,tj vi Mo cvtmi nvi wbYq Ki"te c"l DcvE n"Z MwYz, BstiwR I we"Avb wel"tqi c"l b"tji i wfE"Z Mo, ga"K I cBiK wbYq Ki"te Ges c"lZte`b AvKvti Dc"lcb Ki"te 	<ul style="list-style-type: none"> • tK` iq cëYZvi avi Yv e"vL" V Kivi mgq tgšLK c"lK" E"ti gva"tg gj "vqb Ki"teb • wba"i Z gvb` tE"i mnvith" `j MZ KvR gj "vqb Ki"teb • tk"Yi KvR I tk"Y Avf"yvi mnvith" gj "vqb Ki"teb • wba"i Z KtRi gvb` tE"i mnvith" gj "vqb Ki"teb
gtbvtcukR	4. cvBnP" A"b Ki"Z cvi"te		

11. Aóg tk̄i MwYZ eBtqi Rb̄ t̄j LK nbt̄ Rbv

c̄g Aāvq : c̄vVvb[©]

- neifbaat̄bi msL̄v, Āyi, msL̄v̄ti Lv, t̄k̄j L, R̄wgiZK nP̄t̄ BZ w̄ i gvātg c̄vUtbP̄ avi Yv ēvL̄v w̄ t̄Z nte |
- thM, nefqM, _Y I f̄M c̄t̄qui gvātg c̄vUtbP̄ avi Yv I MvD̄ vnīt̄Yi mnvth̄ ēvL̄v w̄ t̄Z nte |
- c̄vUtbP̄ gvātg msL̄v I Āyi msej̄ Z crRj , t̄Mgm Ges nefvR̄Zv neifbaD̄ vnīY w̄ t̄q Dc̄t̄cb Kīt̄Z nte |
- t̄iL̄K c̄vUtbP̄K t̄j L̄P̄t̄ c̄k̄bi t̄Kskj ev̄bqg ēvL̄vnn _vKte |
- msL̄vñiĒK t̄L̄j v̄Zv i Rb̄ w̄kyi_xKw̄K KvR Kivi m̄thM _vKt̄Z nte |
- ch̄B Abkj̄j bx _vKte |

v̄Zxq Aāvq : ḡvvdv

- mij ḡvvdv I P̄heix ḡvvdvi ev̄eifñiĒK D̄ vnīt̄Yi gvātg Av̄t̄j vPbv _vKte |
- mij ḡvvdv I P̄heix ḡvvdvi w̄Yqj̄ m̄t̄i ēvL̄v w̄ t̄Z nte |
- mij ḡvvdv I P̄heix ḡvvdvi ev̄e ifñiĒK mnR t̄t̄K R̄uJz Zi D̄ vnīt̄Yi mnvth̄ m̄t̄i c̄qM t̄L̄t̄Z nte |
- mij ḡvvdv I P̄heix ḡvvdvi Rxeb Nib̄o MwYZK mgm̄v msej̄ Z Abkj̄j bx w̄ t̄Z nte |

ZZxq Aāvq : c̄w̄gvc

- nP̄t̄ I D̄ vnīt̄Yi mnvth̄ t̄k̄q , neuk I Av̄S̄R̄ñZK c̄xiZt̄Z ^N̄, t̄ȳt̄dj , I Rb Ges Zij c̄v̄t̄P̄ AvqZb c̄w̄gvc ci ēvL̄v Kīt̄Z nte |
- t̄k̄q , neuk I Av̄S̄R̄ñZK c̄xiZt̄Z ^N̄, t̄ȳt̄dj , I Rb Ges AvqZb c̄w̄gvc ci OK w̄ t̄Z nte |
- D̄ vnīt̄Yi mnvth̄ t̄k̄q , neuk I Av̄S̄R̄ñZK c̄xiZi Av̄st̄m̄út̄K̄P̄ ēvL̄v w̄ t̄Z nte |
- Rxeb Nib̄o MwYZK mgm̄v msej̄ Z Abkj̄j bx w̄ t̄Z nte |

PZl̄ Aāvq : exRMwYZxq m̄t̄vevj̄ I c̄qM

- w̄c̄x I w̄c̄x i w̄ki eM̄q̄ Nb w̄Yqj̄ m̄t̄vevj̄ I Abj̄m̄x t̄s̄l̄ ēvL̄v _vKte | m̄t̄ē t̄ȳt̄R̄wgiZK ēvL̄v w̄ t̄Z nte |
- eM̄q̄ N̄t̄bi m̄t̄i mnvth̄ w̄c̄x I w̄c̄x i w̄ki Nb w̄Yq̄ t̄Kskj̄ i D̄ vnīYmn ēvL̄v _vKte |
- gāc̄ w̄et̄k̄d̄t̄Yi mnvth̄ Drcv̄t̄K w̄et̄k̄d̄Y w̄Yqj̄ c̄xiZ D̄ vnīt̄Yi gvātg ēvL̄v w̄ t̄Z nte |
- exRMwYZxq i w̄ki M.mv. , I j.mv. , w̄Yqj̄ ēvL̄vnn D̄ vnīY _vKte |
- ch̄B I w̄Lbdj̄ AR̄D̄ Dct̄hMx mgm̄v msej̄ Z Abkj̄j bx _vKte |

cÂg Aa>vq : exRMmYZxq fMsk

1. exRMmYZxq i wkgvij vi thwM, wetqwM, , Y I fwm cüquvi eYDvmn D`vniY _vKte|
2. thwM, wetqwM, , Y I fwm msewj Z mij xKi†Yi eYLvmn D`vniY I Abkjx bx _vKte|

Iô Aa>vq : mij mnmgxKiY

1. mij mnmgxKit†Yi ariYv eYLvmn D`vniY _vKte|
2. cñZ vcb I Acbqb cxwZtZ wPj K weikó mij mnmgxKit†Yi mgvarbi tKškj I Mvb cüquv D`vniYmn eYLv _vKte|
3. mij mnmgxKit†Yi mgvarb tj LuP† cñk†bi tKškj I tj LuP† t†K mij mnmgxKit†Yi mgvarbi tKškj i eYDv _vKte|
4. chß D`vniY I Abkjx bx _vKte|

mßg Aa>vq : tmU

1. ev-é RMtZi e-í A-ev wP†i mnvñh tmU I DctmtUi eYLv w`‡Z nte|
2. tmU cñk†ki Dcvq, newfbœckvi tmUi eYDv I Mvb cüquv D`vni†Yi mnvñh eYLv Ki†Z nte|
3. ev-é D`vni†Yi mnvñh tmUi msthwM I tQ` cüquvi eYLv w`‡Z nte|
4. tfbñP† I D`vni†Yi mnvñh tmUi agewj hñPvB I cñY cüquvi eYDv w`‡Z nte|
5. tmUi agewj cñqM K†i mgmvi mgvarbi Rb chß D`vniY I Abkjx bx _vKte|

Aog Aa>vq : PZfR

1. newfbœte ev-é wP†i mnvñh PZfR ^Zvi i e-e`v _vKte|
2. PZfR agewj _vKte|
3. PZfR msjušlmpúv mñKfite wP†i gva†g eYDv _vKte|
4. wP† Añtbi tKškj I Añtbi h_v_Zvi eYLv _vKte|
5. Abkjx bx _vKte|
6. newfbœckvi ev-é wñEK Nbe-í wP† _vKte Ges G t†K wZb gñvi RñgñZK aviYvi Dc-vcb _vKte|
7. Nbe-mgtni ty†dj cñg†ci wP†mn eYDv _vKte|

beg Aa>vq : nc_vtMvi_vtmi Dccv`

1. ce@itVi cþivtj vPbv _vKte|
2. weifbogtci mgfKvYx w fRi wP`_vKte| mgfKvYx w fRi cÖZU evüi Dci eMfY` Avtbi wft`Rbmn wP` | evlv_vKte|
3. wZbuU evü t` i qv_vKtj w fRwU mgfKvYx wKbv Zv hvPvB Kivi wft`Rbv_vKte|
4. wP`i mvnvh` nc_vtMvi_vtmi Dccv` i cþvY_vKte|
5. D`vni`Yi mvnvh` nc_vtMvi_vtmi mft` i cþqM_vKte|
6. Abkjxj bx_vKte, nc_vtMvi_vtmi mft` eenvi Kti mgvavb Kiv hvq Gifc weifbamgm`_vKte|

kg Aa>vq : eE

1. er`e wP`i mvnvh` eEi Pvc, Rv, evm, evmva@PiyZ Kiv_vKte|
2. eEi evm, Rv, evmva@ciwia, tK`a eY@v_vKte|
3. eE msjuvši Dccv` i Zv`i wP`mn h@`gj K cþvY_vKte|
4. eE msjuvši Dccv` cþqM Kti er`ewf@EK mgmvi mgvavb msjuvši D`vni Y_vKte|
5. er`e D`vni`Yi gva`tg tej`tbi ctoi ty`dj cwigtci eY@v_vKte|
6. Abkjxj bx_vKte|

GKv` k Aa>vq : Z_` I DcvE

1. er`e w@`EK D`vni`Yi mvnvh` tK`aq c@YZvi evl`v w`Z nte|
2. Mo, ga`K I c@i K wby@qi mft` D`vni`Yi mvnvh` evl`v w`Z nte|
3. ciB@P`i mvnvh` Z_` I DcvE wKfvtc mntR Dc`wicZ nq ZvD`vni`Yi mvnvh` evl`v KitZ nte|
4. ciB@P` Avtbi wbgq evl`v KitZ nte|
5. Mo, ga`K I c@i K wby@qi mft` cþqM Kivi Rb` cÖZ@nK Rxetb weifbaty`t`i DcvE eenvi Kti D`vni`Y Ges Abkjxj bx w`Z nte|

likýmug

MwYZ

beg l `kg tkö

1. fügKv

mgvR I RvZxq Pvn`vi tcÿvcťU ikÿv_xP cňqvRb tgUrbvi Awfctq ikÿvpg cwi givRb I bevqb Kiv Acwivnř eZgvtb cňvj Z ikÿvpg 1995 mřj cňqb Kiv nq| BtZvgta cwi eZBkij wek! Ávb weÁvtbi eÿck Dbq b mwaZ ntqđQ| GQvorl euj cňvkZ RvZxq ikÿvZ Abfgw`Z ntqđQ|

RvZxq ikÿvZi Avtj vtK gvbmcZ I mgfqcchMx ikÿv cňvtbi Rb" gvaigK třii ikÿvi j ý" I Dři k" cňtbař Y Kiv nq| ^b" b bvb mgm" mgvatb myg Kivi cvkvcmk G ikÿvpgi Dřj Lthm" ēenkö" nt"0, ikÿv tkři ikÿv_xP i wevfbcckvq vbtqvwRZ nIqv A_ev cieZrčhřqi ikÿvi c_ mMg Kiv| GB mKj Pvn`v tgUrbvi j tý" MvYtZi Dři k" I ikLbdj ^Zvi Kiv ntqđQ|

meFyřtři MvYtZi Ae`vb , iázcYcGes weMZ KtqK `KK aři Avgřt` i t`tk MvYZ ikÿvi weKvk NtUđQ| ZvB MvYZ ikÿvq bZb a`vb-avi Yv cěZb Kři MvYZřK AvakZi cňqMK Kivi Rb" cňqvRbxq I , iázcYcKbdj mřotek Kiv ntqđQ|

Ávb-weÁvtbi wevfbcckvLvq MvYtZi e'envi Qvorl Gi AvtQ vboR -^b" vboKZv| MvYZK mgm" Dc -tcb I cňvřki FRžv Ges mgm" mgvatb mRbkj Zv ikÿv_xP gvbweK , Yvrij | gj "terá weKřk mnvqK fügKv cij b Kři | GQvorl MvYZK mgm" mgvatbvi Acvi Ávb" ikÿv_xP Kři MvYtZi cňZ AvMřx Kři tZřj | G mKj w K weťePbv Kři MvYZ weťqj ikÿvpg cňqb Kiv ntqđQ|

2. Dřík

1. MmYiZK Ávb I `bcj' ARØ Kivi gva`tg thši³K I Mvb gj K ipšiq DØk nI qv|
2. MmYiZK h³ e`envi Kti e`mbô c̄qitY DcbxZ nI qv i `yZv ARØ Kiv|
3. tmU I tmUi Kvhiella m¤útK®Rvb Ges mgm`v mgvarib tmU e`envi i `yZv ARØ Kiv|
4. diskibi avi Yv j vf Kti tj LIPÍ A½b Ges Zv c̄qM KitZ myg nI qv|
5. ev`é msLvi tköYebvm m¤útK Rvb I c̄qM KitZ cviv|
6. ev`é mgm`v mgvarib exRMmYiZK m¤t i Mvb I e`envi Kivi `yZv ARØ Kiv|
7. mPK I j Mwi `g m¤útK avi Yv j vf I c̄qitM myg nI qv|
8. exRMmYZq AbcivZ I mgibcivZi avi Yv j vf I c̄qitM myg nI qv|
9. GK Pj Kueikó mgxiKiY Ges `B Pj Kueikó mij mnmgxiKiY mgvarb I c̄qitM `yZv ARØ Kiv|
10. Abjug I avivi avi Yv j vf, mmixg mgisi I ,tYvEi avivi mbo`@ c` Ges mbo`@ msLK c` i mgio`@ KitZ cviv|
11. RmgiZK c̄qitY I RmgiZK A½b m¤útK®Ávb m¤úmvi Y I Zv c̄qitMi `yZv evx Kiv|
12. c̄ZmgZv I m`kZv m¤útK®Ávb j vf Kti Zv e`envi KitZ myg nI qv|
13. m¤tKiyigZK AbcivZ m¤útK®Ávb j vf Kti c̄qM KitZ cviv|
14. mgZj xq týi I Nbe`msþvslcwigc KitZ myg nI qv|
15. Z_ I DcvE webvibmi gva`tg ciw msLvbi tgšij K weI qw` Rvb I c̄qM KitZ cviv|
16. MmYiZK mgm`v mgvarib Dcvq D™etb `bcj' j vf Kiv|

3. Aavq wfvEK uciqW eEB

beg tk̄W-1g tm̄g÷vi	Aa<u>vq</u> u<u>k̄tivbvq</u>	u<u>ciqW</u>	c<u>pivtj</u> v<u>Pbvi</u> R<u>b</u> e<u>ivl</u> K<u>Z</u> u<u>ciqW</u>
1.	ev̄e msL̄v	15	5
2.	tmU I dvskb	15	5
3.	exRMWYwZK i uik	10	3
4.	t̄i Lv, t̄KiY I w̄fR	10	3
5.	ēenwi K R̄wqZ	6	2
6.	w̄t̄KiYwqZK Abc̄vZ	8	3
7.	c̄wi wqZ	8	3
		72	24
beg tk̄W-2q tm̄g÷vi			
1.	mPK I j Mwi`g	10	3
2.	exRMWYxq Abc̄vZ I mgibc̄vZ	12	4
3.	GK Pj K̄ewkó mgik̄iY	10	3
4.	ēE	14	5
5.	t̄ȳdj m̄uūKZ Dcc̄`" I m̄uū`"	12	4
6.	w̄t̄KiYwqZK Abc̄vZ	8	2
7.	c̄wi wqZ	6	3
		72	24
kg tk̄W-1g tm̄g÷vi			
1.	`B Pj K̄ewkó mij mnmgik̄iY	10	3
2.	mm̄g av̄v	12	4
3.	Abc̄vZ,m̄kZv I c̄ZmgZv	20	7
4.	`t̄Zj I D''PZv	10	3
5.	c̄wi wqZ	8	3
6.	c̄wi msL̄v	12	4
		72	24
kg tk̄W-2q tm̄g÷vi m̄uūY@mtj ev̄mi I ci ubePb cix̄v Abj̄oZ nq ZvB kg tk̄W-2q tm̄g÷vi eivl KZ 72 u<u>ciqW</u> mKj Aa<u>vq</u> c<u>pivtj</u> v<u>Pbvi</u> R<u>b</u> e<u>ivl</u> ivLv ntq̄tQ 			

4. ॥ k̥y̥w̥g q̥k̥ beg-`kg tk̥v̥

cög Aa^vq : ev⁻é msL^v

(15 nciqW)

nkLbdj	nelqe ⁻	nkLb-tkLvtbv wb ^t Rbv	gj ^v qb wb ^t Rbv	netkl tj LK wb ^t Rbv				
ey ^e Eyq								
1. ev ⁻ é msL ^v i tköYeb ^v m KitZ cvite	• ev ⁻ é msL ^v i tköYeb ^v m	• cÖk ^t i gvatg ev ⁻ é msL ^v i tköYeb ^v m Av ^t j vPbv	• ewo i KvR ev ⁻ é msL ^v i tköYeb ^v m QtK Dc ⁻ vcb	• ev ⁻ é msL ^v i tköYeb ^v m D`vn i Ymn e ^v L ^v _vKte				
2. ev ⁻ é msL ^v K `kugK cÖkv Kt ^t Avmbögvb w ^b Y ^q KitZ cvite	• msL ^v i Avmbögvb • `kugK fM ^t ki tköYeb ^v m	• cÖv ^c tk Dc ⁻ wcZ Avmbögvb w ^b Y ^q i wel ^t q cÖk ^t i gvatg Av ^t j vPbv	• cÖ E ev ⁻ é msL ^v i Avmbögvb w ^b Y ^q	• msL ^v i Avmbögvb w ^b Y ^q i D`vn i Ymn e ^v D ^v _vKte				
3. `kugK fM ^t ki tköYeb ^v m e ^v L ^v KitZ cvite		• D`vn i t ^t Yi gvatg `kugK fM ^t ki tköYeb ^v m AveE `kugK fM ^t ki e ^v L ^v		• `kugK fM ^t ki tköYeb ^v m D`vn i Ymn e ^v L ^v _vKte				
4. AveE `kugK fM ^t sk e ^v L ^v KitZ cvite Ges fM ^t sk ^t K AveE `kugK cÖkv KitZ cvite	• AveE `kugK fM ^t sk	• AveE `kugK fM ^t sk ^t K mvavi Y fM ^t sk i ^t ci ^t li wel ^t q Av ^t j vPbv Ges i ^t ci ^t li w ^b qq ^Z ^v i	• mvavi Y fM ^t sk ^t K `kugK fM ^t sk ^t K i ^t ci ^t li Kt ^t AveE fM ^t sk k ^b v ³ KiY	• AveE `kugK fM ^t sk ^t K D`vn i Ymn e ^v D ^v _vKte				
5. AveE `kugK fM ^t sk ^t K mvavi Y fM ^t sk ^t K i ^t ci ^t li KitZ cvite	• AveE `kugK fM ^t sk ^t K mvavi Y fM ^t sk ^t K i ^t ci ^t li	• D`vn i t ^t Yi gvatg Amxg AveE `kugK fM ^t sk ^t K e ^v L ^v (thgb- π)	• cÖ E AveE `kugK fM ^t sk ^t K mvavi Y fM ^t sk ^t K i ^t ci ^t li	• fM ^t sk ^t K AveE `kugK cÖkv ^t ki D`vn i Ymn e ^v L ^v _vKte				
6. Amxg AveE `kugK fM ^t sk e ^v L ^v KitZ cvite	• Amxg AveE `kugK fM ^t sk	• m ^t k I wem ^t k fM ^t sk D`vn i Ymn e ^v L ^v		• AveE `kugK fM ^t sk ^t K mvavi Y fM ^t sk ^t K i ^t ci ^t li i D`vn i Ymn e ^v L ^v _vKte				
7. m ^t k I wem ^t k `kugK fM ^t sk e ^v L ^v KitZ cvite	• m ^t k I wem ^t k `kugK fM ^t sk	GKK KvR : cÖ E msL ^v , t ^t j v ^t K wb ^t Pi t ^t Uetj mvRvtbv: <table border="1"><tr><td>m^tk</td><td></td></tr><tr><td>wem^tk</td><td></td></tr></table>	m ^t k		wem ^t k			• Amxg AveE, m ^t k I wem ^t k `kugK fM ^t sk ^t K D`vn i Ymn e ^v D ^v _vKte
m ^t k								
wem ^t k								
8. AveE `kugK fM ^t sk ^t ki th ^v M, wetqvM, „Y I f ^v M KitZ cvite Ges GZ`msjuvšl w ^b fbamgm ^v i mgvavb KitZ cvite	• AveE `kugK fM ^t sk ^t ki th ^v M, wetqvM, „Y I f ^v M Av ^t j vPbv mgm ^v mgvavb	• D`vn i t ^t Yi gvatg AveE `kugK fM ^t sk ^t ki th ^v M, wetqvM, „Y I f ^v M wbqtgi Av ^t j vPbv mgm ^v mgvavb	• AveE `kugK fM ^t sk ^t ki th ^v M, wetqvM, „Y I f ^v M msjuvšl mgm ^v i mgvavb	• AveE `kugK fM ^t sk ^t ki th ^v M, wetqvM, „Y I f ^v M D`vn i Ymn e ^v L ^v I Abkj ^t bx _vKte				

10Zaq Aa^vq : tmU I dvskb (15 ncmiqW)

nkLbdj	velqe ⁻	nkLb-tkLvtbv vbt` Rbv	gj ^v qb vbt` Rbv	vetkl tj LK vbt` Rbv
epe ^v Eq				
1. tmU I Dctm ^t Ui avi Yv e ^v L ^v Kti c ^v Ki mnvth ^v c ^v K ^v Ki ^v Z cv ^v te	• tmU I Dctm ^t U o ev ^v é msL ^v i tmU I Dctm ^t U	• ev ^v é DcKiY I D ^v ni ^v Yi mnvth ^v tmU I Dctm ^t Ui avi Yv Dc ^v cb	• tmU I Dctm ^t Ui Kbv ³ KiY	• tmU I Dctm ^t Ui ev ^v é D ^v ni Ymn eY ^v _Kte
2. tmU c ^v K ^v ki cx ^v Z eY ^v Ki ^v Z cv ^v te	• tmU c ^v K ^v ki cx ^v Z (Zwj Kv I tmU MVb cx ^v Z)	• te ^v W ^v tcvó i tccv ^v i mnvth ^v tmU c ^v K ^v ki cx ^v Zi Dc ^v cb	• tmU ^t K newfb ^v cx ^v Z ^t Z c ^v K ^v ki	• Zwj Kv I tmU MVb cx ^v Zi mnvth ^v tmU c ^v K ^v ki cx ^v Zi e ^v L ^v _Kte
3. Amxg tmU e ^v L ^v Ki ^v Z cv ^v te Ges mmxg I Amxg tm ^t Ui cv ^v R ^v vbi ^v f ^v Y Ki ^v Z cv ^v te	• mmxg I Amxg tmU	• c ^v K ^v ti i gva ^v g Amxg tm ^t Ui eY ^v Ges mmxg I Amxg tm ^t Ui cv ^v R ^v Dc ^v cb	• mmxg I Amxg tm ^t Ui cv ^v R ^v Kbv ³ KiY	• mmxg I Amxg tm ^t Ui D ^v ni Ymn e ^v L ^v _Kte
4. tm ^t Ui msthM I tQ ^v e ^v L ^v Ges h ^v PvB Ki ^v Z cv ^v te	• tm ^t Ui msthM I tQ ^v	• wP ^v I DcKi ^v Yi mnvth ^v tm ^t Ui msthM I tQ ^v e ^v L ^v	• tm ^t Ui msthM I tQ ^v MVb	• wP ^v i mnvth ^v tm ^t Ui msthM I tQ ^v Gi e ^v L ^v _Kte Ges h ^v PvB Ki ^v Yi eY ^v _Kte
5. kw ³ tmU e ^v L ^v Ki ^v Z cv ^v te Ges `B I wZb m ^v m ^v ekó tm ^t Ui kw ³ tmU MVb Ki ^v Z cv ^v te	• kw ³ tmU	• D ^v ni ^v Yi mnvth ^v Dctm ^t Ui avi Yv t ^v K kw ³ tmU e ^v L ^v I MVb	• `B I wZb m ^v m ^v ekó tm ^t Ui kw ³ tmU MVb	• kw ³ tmU Ges `B I wZb m ^v m ^v ekó tm ^t Ui kw ³ tmU MVb c ^v lqy D ^v ni Ymn e ^v L ^v _Kte
6. µgtRvo I Kv ^v Z ^v q ,YR e ^v L ^v Ki ^v Z cv ^v te	• µgtRvo I Kv ^v Z ^v q ,YR tmU	• D ^v ni ^v Yi mnvth ^v µgtRvo I Kv ^v Z ^v q ,YR tmU Dc ^v cb	• µgtRvo I Kv ^v Z ^v q ,YR tmU MVb	• µgtRvo I Kv ^v Z ^v q ,YR tmU MVb D ^v ni Ymn eY ^v _Kte
7. D ^v ni Y I tfb ^v P ^v i mnvth ^v tmU c ^v Y ^v qi mnR wera ^v t ^v v c ^v Y Ki ^v Z cv ^v te Ges wera ^v t ^v v c ^v qM K ^v i newfb ^v mgm ^v mgyavb Ki ^v Z cv ^v te	• tm ^t Ui wera ^v o (AUB)'=A' nB' o (B' nC)'=B' UC' o (AuB) nC=(AnC) U(BnC) o (AnB) UC=(AuC) n(BUC)	• c ^v É tm ^t Ui wera ^v D ^v ni Y I tfb ^v P ^v i mnvth ^v c ^v Y Dc ^v cb • c ^v É wera ^v c ^v qM K ^v i newfb ^v mgm ^v tK ^v kj Av ^v vPbv	• ,YR tmU MVb	• D ^v ni Y I tfb ^v P ^v i gva ^v g D ^v ni Y I tfb ^v P ^v i mnR wera ^v c ^v Y _Kte Ges G m ^v úKZ newfb ^v mgm ^v Ab ^v kj bx _Kte
8. Ašq I dvskb e ^v L ^v I MVb Ki ^v Z cv ^v te	• dvskb	• ev ^v é D ^v ni Y I wP ^v i mnvth ^v Ašq I dvskb ^v e ^v L ^v I MVb Dc ^v cb • D ^v ni ^v Yi mnvth ^v tWtgb I ti ^v Ai eY ^v		• ev ^v é D ^v ni Y I wP ^v i mnvth ^v Ašq I dvskb ^v e ^v L ^v I MVb Dc ^v cb • tWtgb I ti ^v Ai D ^v ni Ymn eY ^v _Kte Ges Zv ^v bY ^v qi Ab ^v kj bx _Kte

WZaq Aa''vq : tmu I dvskb (15 wcmiqW)

Pj gvb 2

vkLbdj	welqe -'	vkLb-tkLvbt` Rbv	gj ``vqb wb` Rbv	wetkl tj LK wb` Rbv
9. tWtgb I ti Ä Kx e''L v Ki‡Z cvi‡e 10. dvsktbi tWtgb I ti Ä wbY@ Ki‡Z cvi‡e	<ul style="list-style-type: none"> dvsktbi tj LwP̄ (x=a, y=b, y = mx+c) 	<ul style="list-style-type: none"> wewfbœaitbi dvsktbi tWtgb I ti Ä wbY@qi tkškj Avtj vPbv wewfbœaitbi dvsktbi tj LwP̄ A½bi tkškj Dc-icb 	<ul style="list-style-type: none"> wi tj kb I dvsktbi Mvb I wPwZKiY tWtgb I ti Ä wbY@ wewfbœaitbi dvsktbi tj LwP̄ A½b 	<ul style="list-style-type: none"> dvsktbi tj LwP̄ A½bi tkškj _Kte
gtbvtcukR 11. dvsktbi tj LwP̄ A½b Ki‡Z cvi‡e				

ZZaq Aa'vq : exRMwYwZK iwk (10 wciqW)

nkLbdj	welqe~'	nkLb-tkLvtbv nbt` Rbv	gj~vqb nbt` Rbv	wetkl t j LK nbt` Rbv
exRMwYwZK				
1. exRMwYwZK m̄t c̄qM K̄ti eM̄l N̄bi m̄uñvi Y Ki‡Z cvi te	<ul style="list-style-type: none"> • eM̄l N̄bi m̄uñvi Y 	<ul style="list-style-type: none"> • exRMwYwZq iwk eM̄l Nb nbt` Rbv I G msjuñši AbjñÜñši Dc`cb Avtj vPbv • m̄t veij i R̄wqZK e`vL`v Dc`cb • exRMwYwZq Pj K cwi eZD K̄ti eM̄l N̄bi m̄uñvi Y I Drcv` tK wetkl Y Kiv welqK Avtj vPbv • wñvZ AvK̄ti i thtKvtbv iwk Drcv` tK wetkl Y Kivi tKškj eYv 	<ul style="list-style-type: none"> • exRMwYwZq iwk cwi eZD K̄ti eM̄l N̄bi m̄t i ceñvB hñPvB • m̄t c̄qM K̄ti Drcv` tK wetkl Y • Drcv` tK wetkl Y welqK emv i KvR Ges tköY Afxyv 	<ul style="list-style-type: none"> • eM̄l N̄bi m̄uñvi Y K̄ti Drcv` tK wetkl Y D`vni Ymn eYv _vKte • (a + b + c)², (a + b)³, (a - b)³, a³ + b³, a³ - b³ • m̄t i c̄qM _vKte px² + qx + r AvK̄ti i iwk Drcv` tK wetkl Y _vKte • fM̄tKl Dccv` c̄qM K̄ti Drcv` tK wetkl Y • fM̄tKl Dccv` e`envi K̄ti Drcv` K wetkl tY mnvqZv cñvb
2. fM̄tKl Dccv`" Kx e`vL`v Ki‡Z cvi te Ges Zv c̄qM K̄ti Drcv` tK wetkl Y Ki‡Z cvi te	<ul style="list-style-type: none"> • fM̄tKl Dccv`" c̄qM K̄ti Drcv` tK wetkl Y 	<ul style="list-style-type: none"> • D`vni tYi gva"tg fM̄tKl Dccv`" i e`vL`v • fM̄tKl Dccv`" e`envi K̄ti Drcv` K wetkl tY mnvqZv cñvb 	<ul style="list-style-type: none"> • fM̄tKl Dccv`" c̄qM K̄ti Drcv` tK wetkl Y 	<ul style="list-style-type: none"> • fM̄tKl Dccv`" D`vni Ymn eYv _vKte Ges Zv c̄qM K̄ti Drcv` tK wetkl Y Kivi cñvZi e`vL`v _vKte
3. ev"é mgm"v mgvarib Rb exRMwYwZK m̄t MVb Ki‡Z cvi te Ges m̄t c̄qM K̄ti mgm"v mgvarib Ki‡Z cvi te	<ul style="list-style-type: none"> • ev"é mgm"v mgvarib exRMwYwZK m̄t MVb msjuñši Avtj vPbv Ges m̄t c̄qM Mi gva"tg mgm"v mgvarib mnvqZv cñvb 		<ul style="list-style-type: none"> • m̄t MVb I mgvarib `yZv hñPvB 	<ul style="list-style-type: none"> • ev"é mgm"v mgvarib Rb exRMwYwZK m̄t MVb cñvZi eYv Ges mgm"v mgvarib Abkjxj bx _vKte

PZL ©Aa"vq : mPK I j Mwi`g (10 vcnjqW)

vlLbdj	velqe"	vlLb-tkLvibv vbt`Rbv	gj"vqb vbt`Rbv	vetkl tj LK vbt`Rbv
epxekq				
1. gj` mPK e"l"v KitZ crite 2. abvZK cY"misil"K mPK, kb" I FYiZK cY"misil"K mPK e"l"v I c"qM KitZ crite 3. mPtki vbgveij eY"v Ges Zv c"qM Kti mgm"vi mgivab KitZ crite 4. n-Zg gj (n" N) Ges gj` fMusK mPK e"l"v KitZ crite 5. n-Zg gj tK mPK AvKtI c"qM KitZ crite 6. j Mwi`g e"l"v KitZ crite 7. j Mwi`tgi m"veij c"qY I c"qM KitZ crite 8. mvaviY j Mwi`g I "fweK j Mwi`g e"l"v KitZ crite 9. msL"vi "eAb"K i/c Ges mvaviY j Mwi`tgi c"YR I AskK e"l"v KitZ crite 10. K"j Ktj Utii mvnfh" mvaviY I "fweK j Mwi`g vbyq KitZ crite	<ul style="list-style-type: none"> • gj` mPK • mPtki vbgveij <ul style="list-style-type: none"> ◦ am an = am+n ◦ $\frac{a^m}{a^n} = a^{m-n}$ ◦ $(a^m)^n = a^{mn}$ ◦ $(ab)^n = a^n b^n$ ◦ $\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$ • n-Zg gj I gj` fMusK mPK • j Mwi`g • j Mwi`tgi m"veij <ul style="list-style-type: none"> ◦ loga^a = 1 Ges loga1 = 0 ◦ loga (MN) = loga M + logaN ◦ loga(M/N) = loga M - logaN ◦ logaM^r = rlogaM • mvaviY I "fweK j Mwi`g • msL"vi "eAb"K i/c, j Mwi`tgi c"YR I AskK 	<ul style="list-style-type: none"> • abvZK cY"misil"K, kb" I FYiZK cY"misil"K mPK mseij Z PvU"DC"tcb I e"l"v • mPtki tg"ij K vbgveij c"qY, e"l"v I c"qM Kti mgm"vi mgivab • kb" mPtki e"l"v • D`vni"Yi gva"tg n-Zg gj tK mPK AvKtI c"qM I e"l"v • j Mwi`tgi tg"ij K m"veij c"qY, e"l"v I c"qM Kti mgm"vi mgivab • mvaviY I "fweK j Mwi`tgi m"veij Kp e"l"v • D`vni"Yi gva"tg msL"vi "eAb"K i/c Ges mvaviY j Mwi`tgi c"YR I AskK Avtj vPbv • K"j Ktj Utii mvnfh" mvaviY I "fweK j Mwi`g vbyq c"qM I e"l"v vKte Ges mgm"vi mgivab bi Abkjxj bx vKte 	<ul style="list-style-type: none"> • gj` mPK D`vni Ymn e"l"v vKte abvZK cY"misil"K mPK, kb" I FYiZK cY"misil"K mPtki eY"v vKte • mPtki vbgveij i eY"v Ges Zv c"qM mgm"vi mgivab vKte • n Zg gj I gj` fMusK mPK D`vni Ymn e"l"v vKte • j Mwi`tgi D`vni Ymn eY"v vKte • j Mwi`tgi m"veij i Ges Zv c"qM msu"smgm"vi mgivab vKte • mvaviY I "fweK j Mwi`tgi D`vni Ymn e"l"v vKte • msL"vi "eAb"K i/c, mvaviY j Mwi`tgi c"YR I AskK D`vni Ymn eY"v vKte Ges Zv vY"qj Abkjxj bx vKte • K"j Ktj Utii mvnfh" mvaviY I "fweK j Mwi`g vbyq c"qM I e"l"v vKte Ges mgm"vi mgivab bi Abkjxj bx vKte 	
gtbitcikR				

cÂg Aa''q : GK Pj Knekkó mgxKiY (10 nciqW)

nkLbdj	weIqe''	nkLb-tkLvtbv wb` Rbv	gj ``vqb wb` Rbv	weIki tj LK wb` Rbv								
eIxeEaq 1. mgxKiY I Atf` i cv_K'' e''L'' Ki‡Z cvi te 2. GKNvZ mgxKi‡Yi mgvavb Ki‡Z cvi te 3. ev-éwfiEK mgm''vi mgxKiY MVb K‡i mgvavb Ki‡Z cvi te 4. wNvZ mgxKi‡Yi mgvavb Ki‡Z cvi te Ges mgvavb tmU wbYq Ki‡Z cvi te 5. ev-éwfiEK mgm''vi wNvZ mgxKiY MVb K‡i mgvavb Ki‡Z cvi te	<ul style="list-style-type: none"> mgxKiY I Atf` GKNvZ mgxKi‡Yi mgvavb wNvZ mgxKiY wNvZ mgxKi‡Yi mgvavb mgvavb tmU ev-éwfiEK mgm''vi mgvavb 	<ul style="list-style-type: none"> mgxKiY I Atf` i cv_K'' Dc`cb GKNvZ mgxKi‡Yi mgvavb ev-éwfiEK mgm''vi mgxKiY MVb wNvZ mgxKi‡Yi mgvavb mgvavb tmU wbYq Dc`cb ev-é mgm''vi wf‡Z wNvZ mgxKiY MVb tKskj Dc`cb 	<ul style="list-style-type: none"> enkkó'venj eYDv <table border="1"> <tr> <td>mgxKiY</td> <td>Atf`</td> </tr> <tr> <td>1.</td> <td>1.</td> </tr> <tr> <td>2.</td> <td>2.</td> </tr> <tr> <td>3.</td> <td>3.</td> </tr> </table> <ul style="list-style-type: none"> mgxKiY MVb mgvavb ewoi KvR : wNvZ mgxKi‡Yi mgvavb mgvavb tmU wbYq wNvZ mgxKi‡Yi MVb mgvavb 	mgxKiY	Atf`	1.	1.	2.	2.	3.	3.	<ul style="list-style-type: none"> Pj †Ki D`vnI Ymn e''L'' _vKte D`vnI Ymn mgxKiY I Atf` i e''L'' _vKte GKPj Knekkó GKNvZ mgxKiY mgvavtbi D`vnI Y I Abkjx bx _vKte ev-é mgm''vi mgvavtbi GKPj Knekkó GKNvZ mgxKiY MVb mgvavtbi cIqM _vKte wNvZ mgxKi‡Yi e''L'' _vKte wNvZ mgxKi‡Yi mgvavb mgvavbtmtUi D`vnI Y I Abkjx bx _vKte ev-é mgm''vi mgvavtbi wNvZ mgxKi‡Yi MVb e'enwi K cIqM _vKte
mgxKiY	Atf`											
1.	1.											
2.	2.											
3.	3.											
AtfeMxq 6. mgxKiY MVb K‡i mgm''vi mgvavtbi AWMox nte												

I ô Aa^vq : ti Lv, tKvY I $\hat{w}fR$

(10 mciqW)

wLbdj	wLqe^{\sim}	$\text{wLb-tkLvtbv wbt` Rbv}$	$gj^{\sim} vqb wbt` Rbv$	$wetkI tj LK wbt` Rbv$
<p>ewxeEaq</p> <ol style="list-style-type: none"> mgZj xq R^vguzi tgšij K _Kvh^otj v eYbv Ki‡Z cvite mgvšij mij ti Lv msjuši Dccv` , tj v cōY Ki‡Z cvite $\hat{w}fR$ msjuši Dccv` , tj v cōY Ki‡Z cvite $\hat{w}fR$ msjuši Dccv` Abjm×všl, tj v cōqM e^ven Kti mgm^v mgvab Ki‡Z cvite 	<ul style="list-style-type: none"> mgZj xq R^vguzi tgšij K _Kvh^o <ul style="list-style-type: none"> mgvšij mij ti Lv Dccv` GKU mij ti Lv Aci `Bw mgvšij mij ti Lv KtQ msjuši Dccv` Zvi wecixZ Dccv` i cōY $\hat{w}fR$ msjuši Dccv` <ul style="list-style-type: none"> $\hat{w}fR$ `Bw tKvY mgvab ntj Gt i wecixZ evūšq ci^vui mgvab nte $\hat{w}fR$ `Bw tKvY Amgvab ntj, enEi tKvYi wecixZ evū yz Zi tKvYi wecixZ evū Atc^vy enEi nte $\hat{w}fR$ `B evū ga^vej mshvRK ti LvsK ZZxq evūi mgvšij Ges ^ N^o Zvi AtaR 	<ul style="list-style-type: none"> R^vguzK wP^vi mvn^vh BDKw cō E tgšij K _Kvh^ogna Avtj vPbv `Bw mgvšij mij ti Lv GKU tQ` K A^vb Kti GKvši tKvY Abjfc tKvYi Dc^vcb R^vguzK wP^vi mvn^vh mgvšij mij ti Lv msjuši Dccv` Zvi wecixZ Dccv` i cōY Dc^vcb R^vguzK wP^vi mvn^vh $\hat{w}fR$ msjuši Dccv` i cōY Dc^vcb $\hat{w}fR$ msjuši Abjm×všl, tj v Avtj vPbv 	<ul style="list-style-type: none"> _Kvh^ogna eYbv mgvšij mij ti Lv msjuši Dccv` Zvi wecixZ Dccv` i cōYi eYbv $\hat{w}fR$ msjuši Dccv` , tj vi cōYi eYbv Dccv` Abjm×všl, tj v cōqM Kti mgm^vi mgvab 	<ul style="list-style-type: none"> mgZj xq R^vguzi tgšij K _Kvh^otj vi e^vLv _Kte cōZhy³ i mvn^vh cōY /eiy^vfutei mvn^vh cōY (proof by contradiction) Gi aviYv e^vLv Kti mgvšij mij ti Lv $\hat{w}fR$ msjuši Dccv` , tj vi cōYi eYbv _Kte Dccv` i mvf_ msukō Abjm×vši mshvRb Ki‡Z nte $\hat{w}fR$ msjuši Dccv` Abjm×všl, tj v cōqM Kti mgm^v mgvab _Kte

nkLbdj	neqe''	nkLb-tkLvibv ibt` Rbv	gj''vqb ibt` Rbv	metkl tj LK ibt` Rbv
<p>eyxeEaq</p> <p>1. cō Ē DcvĒ I Z_ e''envi Kti w̄ fR A½b Ki‡Z cvi‡e </p> <p>2. cō Ē DcvĒ I Z_ e''envi Kti mvgvšli K A½b Ki‡Z cvi‡e </p>	<ul style="list-style-type: none"> newfbœcKvi w̄ fR I PZfR w̄ fR msKtšl m¤úv`` <ul style="list-style-type: none"> w̄ f̄Ri f̄ig, f̄ig msj Mœ GKU tKy I Aci `ß evüi mgvö †` I qv Av‡Q, w̄ fRi Auk‡Z n‡e w̄ f̄Ri f̄ig, f̄ig msj Mœ GKU m‡tKy I Aci `ß evüi Ašli †` I qv Av‡Q, w̄ fRi Auk‡Z n‡e w̄ f̄Ri f̄ig msj Mœ BiU tKy I ciu mxgv †` I qv Av‡Q, w̄ fRi Auk‡Z n‡e mvgvšli K msKtšl m¤úv`` <ul style="list-style-type: none"> mvgvšli †Ki `BiU KY Z†` i Ašlfß tKy †` I qv Av‡Q mvgvšli KuU Auk‡Z n‡e mvgvšli †Ki `BiU KY GKU evüi †` I qv Av‡Q mvgvšli KuU Auk‡Z n‡e 	<ul style="list-style-type: none"> cō Ē DcvĒ I Z_ e''envi Kti newfbœ ai‡bi w̄ fR A½b I A½b eYdv Dc`icb cō Ē DcvĒ I Z_ e''envi Kti newfbœ ai‡bi mvgvšli K A½b I A½b eYdv Dc`icb 	<ul style="list-style-type: none"> newfbœai‡bi w̄ fR A½b newfbœai‡bi mvgvšli K A½b 	<ul style="list-style-type: none"> evü I tKy Yi `ewktöi gva‡g w̄ fR I PZfRi avi Yvi cþivtj vPbv _vKte w̄ f̄Ri evü I tKy m¤úvKZ tKy tKy Z_ †` I qv _vKtj w̄ fR Aukv m¤é Zv Kvhpütgj mnvñtñ Dc`icb Ki‡Z n‡e cō Ē DcvĒ I Z_ e''envi Kti w̄ fR A½b _vKte mvgvšli †Ki evü I tKy m¤úvKZ tKy tKy Z_ †` I qv _vKtj mvgvšli K Aukv m¤é Zv Kvhpütgj mnvñtñ Dc`icb Ki‡Z n‡e cō Ē DcvĒ I Z_ e''envi Kti mvgvšli K A½b _vKte

Aog Aavq : eE (14 vcmiqw)

ikLbdj	velqe-	ikLb-tkLvfbv vbt` Rbv	gj vqb vbt` Rbv	vetkl tj LK vbt` Rbv
<p>eEeEaq</p> <p>1. eEPic, tK`-tKiY, eE-`tKiY, eE-`tKiY, eE Ašij PLZ PZfR eVLv Ki‡Z cvi‡te </p> <p>2. eE m¤úKZ Dccv` c¤Y Ki‡Z cvi‡te </p>	<ul style="list-style-type: none"> • eE Pvc, tK`-tKiY, eE-`tKiY, eE Ašij PLZ PZfR eVLv Ki‡Z cvi‡te • eE m¤úKZ Dccv` <ul style="list-style-type: none"> ◦ eEi GKB Pvci Dci `Evqvb eE-`tKiY tK`-`tKutYi AtaR ◦ eEi GKB Pvci Dci `Evqvb eE-`tKiY tJ ci-`ui mgvb ◦ AaeE-`tKiY GK mg‡KiY ◦ eE Ašij PLZ PZfRi th‡Kutbv `BnU necixZ tKutYi mgwó `B mg‡KiY ◦ tKutbv PZfRi `BnU necixZ tKiY m¤úK ntj Zvi kxlfœ`y Pviv mgeE nte ◦ eEi th‡Kutbv we`jZ AñZ -úkR -úkR evmata Dci jœ ◦ eEi eint-`tKutbv we`yt_tK eE-`BnU -úkR Uvbj , H we`yt_tK -úkR e`øtqi `+ Zj mgvb nte 	<ul style="list-style-type: none"> • eE I eE-`PZfR Añbi gva‡g eEPic, eEPic Ørv DrccbœE-`tKiY I tK`-`tKiY Dc-`vcb • Rv¤úKZ vP‡i gva‡g eE m¤úKZ cœ E Dccv` , tj vi c¤Y Dc-`vcb 	<ul style="list-style-type: none"> • cœ E vP‡i eEPic, tK`-tKiY, eE-`tKiY I eE Ašij PLZ PZfR kbr³KiY • Dccv` , tj vi c¤Y m¤úKZv 	<ul style="list-style-type: none"> • vP‡i eVLv gva‡g eEPic, tK`-tKiY, eE-`tKiY, eE Ašij PLZ PZfR eVLv Ki‡Z cvi‡te • eE m¤úKZ Dccv` , tj vi c¤Y _vKte

Aóg Aa''vq : eĒ (14 n̄c̄n̄i qW)

Pj gvb

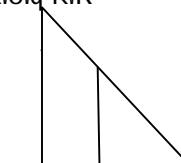
nkLbdj	velqe''	nkLb-tkLv̄t̄bv v̄bt̄ Rbv	gj vqb v̄bt̄ Rbv	vetkI tj LK v̄bt̄ Rbv
3. eĒ m̄úñKZ m̄úñ` eYñv Ki‡Z cni te	<ul style="list-style-type: none"> o `BñU eĒ ci ``ui ``úk^Ki‡j, Zñ‡i tK`ñq ``úkñ`ymgñiL n‡e • eĒ m̄úñKZ m̄úñ`` o GKñU eĒ er eĒPvc t` I qv Av‡Q, tK`ñbYñ Ki‡Z n‡e o eĒi tKv̄t̄bv ñZ GKñU ``úkR AvK‡Z n‡e o eĒi ewnt` tKv̄t̄bv we`y t‡K eĒñt̄Z ``úkR AvK‡Z n‡e o tKv̄t̄bv v̄bñ`ñ fñRi cni eĒ AvK‡Z n‡e o tKv̄t̄bv v̄bñ`ñ fñRi Ašbñ AvK‡Z n‡e o tKv̄t̄bv v̄bñ`ñ fñRi ewneñ AvK‡Z n‡e 	<ul style="list-style-type: none"> • cñ E Z_ I Dci‡Ei vññññZ eĒ m̄úñKZ m̄úñ`` tñ vi Añ‡b mññK arc Abññi Y Añ‡bi h_P weei Y 	<ul style="list-style-type: none"> • m̄úñ`` tñ vi Añ‡b mññK arc Abññi Y Añ‡bi h_P weei Y 	<ul style="list-style-type: none"> • eĒ m̄úñKZ m̄úñ`` tñ vi Añ‡bi eYñv _K‡e

beg Aa^vq : $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ (16 w^wi qW)

wkLbdj	welqe ⁻	wkLb-tkLv ^b wb ^t Rbv	gj ^v qb wb ^t Rbv	wetkI tj LK wb ^t Rbv																
<p>ewkeE^vq</p> <p>1. m²†KvYi $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ eY^v Ki^tZ cvi^vte </p> <p>2. m²†KvYi $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ ,^vj vi g^va^v cvi^vú^vi K m^vúK^vwbYq Ki^tZ cvi^vte </p>	<ul style="list-style-type: none"> m²†KvYi $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ G^v i m^vúK^v 	<ul style="list-style-type: none"> WP^v G^vK mg^vKvYx $\hat{w} \ddot{t} R$i w^vfbævúi Ab^vZ t^vK $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ wbYq welqK Av^vj vPbv $\hat{w} \ddot{t} Y \ddot{v} \ddot{v}$ i GKKfv^ve wb^vPi QKvU c^vY <table border="1"> <tr> <td>$\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ</td> <td>$\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZi msikó evú</td> </tr> <tr> <td>ce^vvwk (evú)</td> <td>DE^v i vwk(evú)</td> </tr> <tr> <td>sine</td> <td></td> </tr> <tr> <td>cosine</td> <td></td> </tr> <tr> <td>tangent</td> <td></td> </tr> <tr> <td>sec</td> <td></td> </tr> <tr> <td>cosec</td> <td></td> </tr> <tr> <td>cot</td> <td></td> </tr> </table> <p>Ges Gi gva^vg $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ ,^vj vi cvi^vú^vi K m^vúK^vwbYq </p>	$\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab ^v Z	$\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab ^v Zi msikó evú	ce ^v vwk (evú)	DE ^v i vwk(evú)	sine		cosine		tangent		sec		cosec		cot		<ul style="list-style-type: none"> QKc^vYi mgq welq^vi m^vlKZv ch^veyY 	<ul style="list-style-type: none"> m²†KvYi $\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab^vZ mg^vKvYx $\hat{w} \ddot{t} R$i m^vn^vth^v msÁwqZ n^vz n^ve m^vk $\hat{w} \ddot{t} R$i m^vn^vth^v Ab^vZ ,^vj vi a^vZv hvPvB _vKte R^vwgZK c^vlZ^vZ Ab^vZ ,^vj vi cvi^vú^vi K m^vúK^v t^vLv^vZ n^ve
$\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab ^v Z	$\hat{w} \ddot{t} K \ddot{v} Y \ddot{w} Z K$ Ab ^v Zi msikó evú																			
ce ^v vwk (evú)	DE ^v i vwk(evú)																			
sine																				
cosine																				
tangent																				
sec																				
cosec																				
cot																				

beg Aa"vq : wî‡KvYngwZK AbçvZ (16 wcvqW)

Pj gvb 2

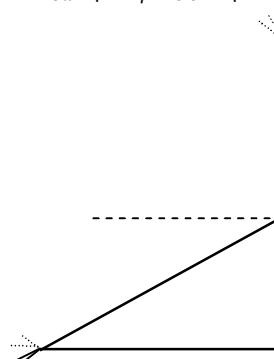
විභාග	වෙළුණ	විභාග-ත්කලුත්බූ ව්‍යුත් රඛුව	ග්‍යුණු ව්‍යුත් ව්‍යුත් රඛුව	විෂ්කම් ත්‍යැපෑ ව්‍යුත් රඛුව																																																	
3. $\sin 30^\circ, 45^\circ, 60^\circ$ ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම් සහ මුද්‍රණ මාන්‍ය ප්‍රතිඵලි නිර්මාණ කිරීම්	• $30^\circ, 45^\circ, 60^\circ$ ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම්	<ul style="list-style-type: none"> GKB ත්කුදියා රඛුව මගින් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම් නිර්මාණ කිරීම් නිර්මාණ කිරීම්  <table border="1" data-bbox="851 656 1288 905"> <thead> <tr> <th></th> <th>$\sin 30^\circ$</th> <th>$\cos 30^\circ$</th> <th>$\tan 30^\circ$</th> <th>$\sin 45^\circ$</th> <th>$\cos 45^\circ$</th> <th>$\tan 45^\circ$</th> </tr> </thead> <tbody> <tr> <td>sine</td> <td>1/2</td> <td>$\sqrt{3}/2$</td> <td>$\sqrt{3}/3$</td> <td>$\sqrt{2}/2$</td> <td>$\sqrt{2}/2$</td> <td>1</td> </tr> <tr> <td>45°</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cos</td> <td>$\sqrt{3}/2$</td> <td>1/2</td> <td>$\sqrt{3}/3$</td> <td>$\sqrt{2}/2$</td> <td>$\sqrt{2}/2$</td> <td>1</td> </tr> <tr> <td>45°</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>tan</td> <td>$\sqrt{3}/3$</td> <td>$\sqrt{3}$</td> <td>1</td> <td>1</td> <td>$\sqrt{3}/3$</td> <td>$\sqrt{3}$</td> </tr> <tr> <td>45°</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		$\sin 30^\circ$	$\cos 30^\circ$	$\tan 30^\circ$	$\sin 45^\circ$	$\cos 45^\circ$	$\tan 45^\circ$	sine	1/2	$\sqrt{3}/2$	$\sqrt{3}/3$	$\sqrt{2}/2$	$\sqrt{2}/2$	1	45°							cos	$\sqrt{3}/2$	1/2	$\sqrt{3}/3$	$\sqrt{2}/2$	$\sqrt{2}/2$	1	45°							tan	$\sqrt{3}/3$	$\sqrt{3}$	1	1	$\sqrt{3}/3$	$\sqrt{3}$	45°							<ul style="list-style-type: none"> ත්කුදියා රඛුව මගින් නිර්මාණ කිරීම් මුද්‍රණ මාන්‍ය නිර්මාණ කිරීම් 	<ul style="list-style-type: none"> සින්, කොස් හේඛෝයි තෙනුම් නිර්මාණ කිරීම්
	$\sin 30^\circ$	$\cos 30^\circ$	$\tan 30^\circ$	$\sin 45^\circ$	$\cos 45^\circ$	$\tan 45^\circ$																																															
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tan	$\sqrt{3}/3$	$\sqrt{3}$	1	1	$\sqrt{3}/3$	$\sqrt{3}$																																															
45°																																																					
4. $\sin 30^\circ, 45^\circ, 60^\circ$ ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම්	• $\sin 30^\circ, 45^\circ, 60^\circ$ ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම්	<ul style="list-style-type: none"> $\sin 30^\circ, 45^\circ, 60^\circ$ ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම් 	<ul style="list-style-type: none"> ත්කුදියා ව්‍යුත් නිර්මාණ කිරීම් 	<ul style="list-style-type: none"> රුවුනිස්ක් ස්විට්ස් 30°, 45°, 60° ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම් රුවුනිස්ක් ස්විට්ස් 0°, 90° ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම් ත්කුදියා ව්‍යුත් නිර්මාණ කිරීම් 																																																	
5. 0° සහ 90° ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම්	• 0° සහ 90° ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම්	<ul style="list-style-type: none"> GKK ත්කුදියා (ත්කුදියා ව්‍යුත් කුදා ප්‍රතිඵලි නිර්මාණ කිරීම්) <table border="1" data-bbox="851 1091 1288 1243"> <thead> <tr> <th></th> <th>0°</th> <th>30°</th> <th>45°</th> <th>60°</th> <th>90°</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td></td> <td>$\frac{0}{4}$</td> <td>$\frac{1}{4}$</td> <td>$\frac{2}{4}$</td> <td>$\frac{3}{4}$</td> <td>$\frac{4}{4}$</td> </tr> <tr> <td>sin</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cos</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>tan</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		0°	30°	45°	60°	90°	0	0	1	2	3	4		$\frac{0}{4}$	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$	sin						cos						tan						<ul style="list-style-type: none"> ත්කුදියා ව්‍යුත් නිර්මාණ කිරීම් 	<ul style="list-style-type: none"> ත්කුදියා ව්‍යුත් නිර්මාණ කිරීම් 													
	0°	30°	45°	60°	90°																																																
0	0	1	2	3	4																																																
	$\frac{0}{4}$	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$																																																
sin																																																					
cos																																																					
tan																																																					

beg Aa'vq : විෂකජ්‍යාලු අභ්‍යන්තර (16 මැයි 2012)

Pj gvb 3

විශ්වාස ප්‍රතිච්‍යාසක	වෙළු මේලු ප්‍රතිච්‍යාසක	විශ්වාස ප්‍රතිච්‍යාසක	ග්‍රැනුඩ් ප්‍රතිච්‍යාසක	විශ්වාස ප්‍රතිච්‍යාසක
<p>6. විෂකජ්‍යාලු අත්‍යුත්‍ය තුළ මුද්‍රණ කිරීමෙහි ප්‍රතිච්‍යාසක 7. විෂකජ්‍යාලු අත්‍යුත්‍ය තුළ මුද්‍රණ කිරීමෙහි ප්‍රතිච්‍යාසක</p>	<ul style="list-style-type: none"> විෂකජ්‍යාලු අත්‍යුත්‍ය තුළ මුද්‍රණ කිරීමෙහි ප්‍රතිච්‍යාසක 	<ul style="list-style-type: none"> D`vnitYi mwnvth' විෂකජ්‍යාලු අත්‍යුත්‍ය තුළ මුද්‍රණ කිරීමෙහි ප්‍රතිච්‍යාසක 	<ul style="list-style-type: none"> emoi KvR: Atf` veij msjuvslmgm' veij 	<ul style="list-style-type: none"> විෂකජ්‍යාලු අත්‍යුත්‍ය තුළ මුද්‍රණ කිරීමෙහි ප්‍රතිච්‍යාසක D`vnitYi Abkjxj bx _vkte

‘kg Aāvq : `‡Zi I D”PZv (10 mciqW)

nkLbdj	melqe-	nkLb-‡kLv‡bv †‡` Rbv	gj “vqb †‡` Rbv	metkl †j LK †‡` Rbv
eyxe‡q				
1. f-‡i Lv, Ea¥‡i Lv, Ej †‡j , DbnZ †KvY I AebnZ †KvY e”l”v Ki‡Z cni te	<ul style="list-style-type: none"> f-‡i Lv, Ea¥‡i Lv, Dj †‡j , DbnZ †KvY I AebnZ †KvY e”l”v 	<ul style="list-style-type: none"> ¶†i mwnvth” f-‡i Lv, Dj †‡j , DbnZ †KvY I AebnZ †KvY e”l”v 	<ul style="list-style-type: none"> †Pi ¶†i f-‡i Lv, Dj †‡j , DbnZ †KvY AebnZ †KvY ¶yZKiY 	<ul style="list-style-type: none"> ¶†i mwnvth” f-‡i Lv, Ea¥‡i Lv, Dj †‡j , DbnZ †KvY I AebnZ †KvY e”l”v _Kte er-‡e D`vnitYi mwnvth” nkYi _Rb thb f-‡i Lv, Ea¥‡i Lv, Dj †‡j , DbnZ †KvY I AebnZ †KvY e”l”v Ki‡Z cni tmRb c¶yRbxq I chB Kih¶ig Ašfp? Ki‡Z nte

gtbvtcikR

3. nkYi gZi mwnvth” nv‡Z-Kj †g `‡Zi I D”PZv melqK mgm”v gvc Ki‡Z cni te |

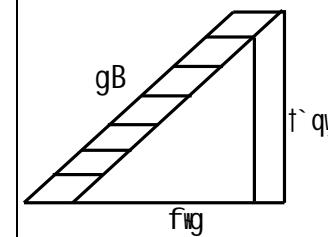
• `‡Zi I D”PZv melqK mgm”v

• D`vnitYi mwnvth” `‡Zi I D”PZv melqK MwYiZK mgm”v mgvavb |

• er-‡wfiEK `‡Zi D”PZv I DbnZ †KvY †bY@ |

• c‡E mgm”v mgvavb

• `j xq KvR : `‡Zi D”PZv I DbnZ †KvY †bY@



• `‡Zi I D”PZv melqK MwYiZK mgm”v cikicuk ev-‡wfiEK mgm”v nv‡ZKj †g KvR DcthwMx c¶yRbxq Kih¶ig Ašfp? Ki‡Z nte |

Gkv` k Aa"vq : exRMwZxq AbjcvZ I mgvbcvZ (12 wciqW)

nkLbdj	velqe"	nkLb-tkLvibv wb‡` Rbv	gj" vqb wb‡` Rbv	wetkl tj LK wb‡` Rbv										
ejxeEjq 1. exRMwZxq AbjcvZ I mgvbcvZ e"vL"v KitZ cvi te 2. mgvbcvZ msprisnewfbœ iſcvšli weia c̄qM KitZ cvi te 3. avivewnK AbjcvZ eYbv KitZ cvi te 4. ev"ē mgm"v mgivatb AbjcvZ, mgvbcvZ I avivewnK AbjcvZ e"envi KitZ cvi te	<ul style="list-style-type: none"> exRMwZxq AbjcvZ I mgvbcvZ mgvbcv‡Zi iſcvšli weia avivewnK AbjcvZ ev"ē mgm"v 	<ul style="list-style-type: none"> D`vnitYi mnvith" exRMwZxq AbjcvZ I mgvbcv‡Zi e"vL"v mgvbcv‡Zi weifbœiſcvšli weia D`vnitYi mnvith" Dc"vcb D`vnitYi gva"tg avivewnK Abjcv‡Zi e"vL"v AbjcvZ, mgvbcvZ I avivewnK Abjcv‡Zi mnvith" ev"ē mgm"v mgivatb 	<ul style="list-style-type: none"> exRMwZxq AbjcvZ I mgvbcvZ wbYq <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>mgvbcvZ</td> <td>iſcvšli</td> </tr> <tr> <td>$\frac{a}{b} = \frac{c}{d}$</td> <td>$\frac{a+b}{b} = \frac{c+d}{d}$</td> </tr> <tr> <td></td> <td>i.)</td> </tr> <tr> <td></td> <td>ii.)</td> </tr> <tr> <td></td> <td>iii.)</td> </tr> </table> <ul style="list-style-type: none"> avivewnK AbjcvZ wbYq AbjcvZ msprisew"ē mgm"v mgivatb 	mgvbcvZ	iſcvšli	$\frac{a}{b} = \frac{c}{d}$	$\frac{a+b}{b} = \frac{c+d}{d}$		i.)		ii.)		iii.)	<ul style="list-style-type: none"> ev"ēvifE K D`vnitYi gva"tg AbjcvZ I mgvbcv‡Zi Avtj vPbv _vKte c̄hwr" tŷ† e"vL"v gj K wP̄ ms̄hvRb KitZ nte mgvbcv‡Zi iſcvšli weia, tj vi c̄qM _vKte mnR t‡K RnUj Zi D`vnitYi gva"tg iſcvšli weia, tj vi c̄qM _vKte ev"ē D`vnitYi gva"tg avivewnK Abjcv‡Zi Avtj vPbv _vKte c̄hwr" tŷ† e"vL"v gj K wP̄ ms̄hvRb KitZ nte MwYwZK mgm"v msew" Z Abkjx bx _vKte
mgvbcvZ	iſcvšli													
$\frac{a}{b} = \frac{c}{d}$	$\frac{a+b}{b} = \frac{c+d}{d}$													
	i.)													
	ii.)													
	iii.)													

Ør` k Aavq : `B Pj Knekkó mij mnmgxKiY (20 mciqW)

nkLbdj	velqe ⁻	nkLb-tkLvbtv nbt` Rbv	gj "vqb nbt` Rbv	vetki tj LK nbt` Rbv
eyxeEaq				
1. `B Pj Knekkó mij mnmgxKi†Yi m½Z hPvB KitZ cvi te	• `B Pj Knekkó mij mn mgxKiY	• D`vnitYi mnvth` `B Pj Knekkó mij mnmgxKi†Yi m½Zi kZfeij Dc`vcb	• `B Pj Knekkó mij mnmgxKi†Yi m½Zi kZfeij vj Lb	• `B Pj Knekkó mij mnmgxKi†Yi m½Zi kZfeij D`vnitYi mnvth` vj Lb
2. `B Pj Knekkó `BuU mgxKi†Yi ci-úi wfPKxj Zv hPvB KitZ cvi te		• `B Pj Knekkó `BuU mgxKi†Yi ci-úi wfPKxj Zv D`vnitYi gva-tg Dc`vcb	• `B Pj Knekkó `BuU mij mnmgxKiY ci-úi wfPKxj Zv hPvB	• `B Pj Knekkó `BuU mij mnmgxKiY ci-úi wfPKxj Zv D`vnitYi mnvth` hPvB vj Kte
3. Avo, Yb c×Z e"vL"v KitZ cvi te	• Avo, Yb c×Z	• D`vnitYi gva-tg Avo, Yb c×Zi e"vL"v Dc`vcb	• Avo, Ybi gva-tg mij mnmgxKi†Yi mgvavb	• Avo, Yb c×Zi mnvth` mij mnmgxKi†Yi mgvavb tKskj MVb cjuqv D`vnitYi mnvth` vj Kte
4. ev-`ewfEK mgm"v K mgxKi†Yi mnvth` mgvavb KitZ cvi te	• mgvavb	• D`vnitYi gva-tg ev-`ewfEK mgm"v mij mnmgxKiY MVb mgvavb Dc`vcb	• mij mnmgxKiY MVb mgvavb	• ev-`ewfEK mgm"v mij mnmgxKi†Yi MVb mgvavb tKskj MVb cjuqv D`vnitYi mnvth` vj Kte
gtbvtcukR				
5. mij mnmgxKi†Yi mgvavb tj LIPt̄i t`LvtZ cvi te	• tj LIPt̄i mnvth` mgvavb	• mij mnmgxKi†Yi mgvavb tj LIPt̄i Dc`vcb	• mij mnmgxKi†Yi tj LIPt̄ A½b	• tj LIPt̄i mnvth` `B Pj Knekkó mij mnmgxKi†Yi mgvavb tKskj i eYv vj Kte
6. tj LIPt̄i mnvth` `B Pj Knekkó `BuU mij mnmgxKiY mgvavb KitZ cvi te	• ev-`ewfEK mgm"v	• tj LIPt̄i mnvth` `B Pj Knekkó `BuU mij mnmgxKi†Yi mgvavb tKskj Dc`vcb	• tj LIPt̄i mnvth` mgvavb	• chB D`vnitYi Abkjx bx vj Kte
AvtelMq				
7. MwYzK mgm"v mij mnmgxKiY MVb mgvavb AvMbx nte				

Îtq̄` k Aa`vq : mm̄g aviv

(12 n̄cni qW)

nkLbdj	n̄lqe~'	nkLb-tkLv̄bv ibt` Rbv	gj vqb ibt` Rbv	nēkI tj LK ibt` Rbv			
eyxeEaq 1. Ab̄ug I aviv eȲv Ki‡Z I Zv̄` i cv_ K̄ mbiſcY Ki‡Z cvi te 2. mḡšli aviv eYL̄v Ki‡Z cvi te 3. mḡšli avivi wbw` @Zg c` I wbw` @ msL^K c‡` i mḡšli wbȲqi m‡ Mv̄b Ki‡Z cvi te Ges m‡ c̄qM K‡i MwYwZK mgm̄v mḡavb Ki‡Z cvi te 4. ‐fweK msL̄vi etM̄ I N‡bi mḡšli wbȲq Ki‡Z cvi te 5. avivi nērbom̄ c̄qM K‡i MwYwZK mgm̄v mḡavb Ki‡Z cvi te 6. ‐tȲEi avivi wbw` @Zg c` I wbw` @ msL^K c‡` i mḡšli wbȲqi m‡ Mv̄b Ki‡Z cvi te Ges m‡ c̄qM K‡i MwYwZK mgm̄v mḡavb Ki‡Z cvi te An̄eM̄q 7. mgm̄v mḡavtbi Rb̄ mḡšli I ‐tȲEi aviv Mv̄b AvM̄b n̄te	<ul style="list-style-type: none"> Ab̄ug I aviv mḡšli aviv <ul style="list-style-type: none"> mḡšli avivi wbw` @Zg c` wbw` @ msL^K c‡` i mḡšli mm̄g I Am̄g avivi avi Yv mm̄g ‐fweK msL̄vi mḡšli <ul style="list-style-type: none"> nēkI msL̄vi mḡšli tRvo msL̄vi mḡšli etM̄ mḡšli ‐tȲi mḡšli ‐tȲEi aviv MwYwZK mgm̄v 	<ul style="list-style-type: none"> D`vnitYi mn̄vth̄ Ab̄ug I avivi eYL̄v D`vnitYi mn̄vth̄ mm̄g mḡšli avivi eYL̄v Ges wbw` @ c` I c‡` i mḡšli wbȲqi m‡ c̄g n msL^K nētRvo Ges tRvo msL̄vi mḡšli wbȲqi m‡ c̄Zcr` b nēkI Y c̄lqiq c̄g n msL^K ‐fweK msL̄vi eM̄Ges N‡bi mḡšli wbȲqi m‡ D`vnitYi mn̄vth̄ mm̄g ‐tȲEi avivi eYL̄v Ges wbw` @ c` I wbw` @ msL^K c‡` i mḡšli wbȲqi m‡ 	<ul style="list-style-type: none"> QK c‡Y : Ab̄ug/mm̄g aviv /Am̄g aviv <table border="1"> <tr><td>1+4+6+.....+50</td></tr> <tr><td>5,10,15.....</td></tr> <tr><td>3+6+9.....</td></tr> <tr><td>BZ w̄</td></tr> </table> mḡšli avivi wbw` @Zg c` I wbw` @ msL^K c‡` i mḡšli wbȲqi m‡ i eYL̄v I D`vnitY _Kte mḡšli avivi mḡšli m‡ i mn̄th̄ c̄g n msL^K ‐fweK msL̄vi mḡšli nētRvo ‐fweK msL̄vi mḡšli I tRvo ‐fweK msL̄vi mḡšli wbȲqi eYL̄v _Kte c̄g n msL^K ‐fweK msL̄vi etM̄ mḡšli I N‡bi mḡšli wbȲqi eYL̄v _Kte Ges eM̄ N‡bi mḡšli m‡ i c̄qM Mi D`vnitY _Kte ‐tȲEi avivi wbw` @Zg I wbw` @ msL^K c‡` i mḡšli wbȲqi m‡ i eYL̄v _Kte I D`vnitY _Kte ch̄B D`vnitY I Ab̄kjibx _Kte 	1+4+6+.....+50	5,10,15.....	3+6+9.....	BZ w̄
1+4+6+.....+50							
5,10,15.....							
3+6+9.....							
BZ w̄							

nkLbdj	velqe-	nkLb-tkLvþbv ibt` Rbv	gj` vqb ibt` Rbv	vetkl t j LK ibt` Rbv
<p>eþxeþiq</p> <p>1. RñgñZK AbçvZ m¤úþK® e"vL"v KitZ cvi te </p> <p>2. ti Lvstki AšleþW³ e"vL"v KitZ cvi te </p> <p>3. AbçvZ m¤úþKZ Dccv`" tþj v hvPvB cþY KitZ cvi te </p> <p>4. m`kZvi AbçvZ msþuþi Dccv`" tþj v hvPvB cþY KitZ cvi te </p>	<ul style="list-style-type: none"> • AbçvZ • ti Lvstki AšleþW³ • AbçvZ m¤úþKZ Dccv`" <ul style="list-style-type: none"> ◦ w fþRi thþKvþbv evüi mgvþi vj mij tþLw H w fþRi Aci evüþqtK ev Zvþ i emaþvskðqþK mgvb AbçvZ wef³ Kþi ◦ tKvþbv mij tþLw GKwJ w fþRi `þerüþK ev Zvþ i emaþvskðqþK mgvb AbçvZ wef³ Kitj ,D³ tþLw w fþRwJi ZZxq evüi mgvþi vj ◦ w fþRi thþKvþbv tKvþYi AšleþEK weciXZ evüþK D³ tKvY msj Mœvüþtqi AbçvZ AšleþW³ Kþi ◦ `þwJ w fþRi m`kþKvYi ntj Zvþ i Abjfc evü ,tþj v mgvbçwZK ntj ◦ `þwJ w fþRi evü ,tþj v mgvbçwZK ntj Abjfc evüi weciXZ tKvY ,tþj v ci "ui mgvb ntj ◦ `þwJ w fþRi GKwJi GK tKvY Aci GKwJ w fþRi GK tKvþYi mgvb ntj Ges Zvþ i tKvYmsj Mœ evü ,tþj v mgvbçwZK ntj , w fþRþq m`k ntj ◦ `þwJ m`k w fþRþtþi tyþdj þtqi AbçvZ Zvþ i thþKvþbv `þ Abjfc evüi Dci AñZ eMþyþtþi tyþdj þtqi AbçvZi mgvb 	<ul style="list-style-type: none"> • RñgñZK wþtþi gva"tg RñgñZK AbçvZ ti Lvstki AšleþW³ i wYþ • wþtþi gva"tg AbçvZ m`kZvi AbçvZ m¤úþKZ Dccv`" hvPvB cþY Dc"vcb 	<ul style="list-style-type: none"> • wþtþi RñgñZK AbçvZ m¤úþK®wþtþi e"vL"v _vKte • ti Lvstki AšleþW³ wþtþi mñvþh _vKte • AbçvZ m¤úþKZ Dccv`" tþj v cþY KitZ cvi te 	

PZì R Aa''vq : AbçvZ, m` kZv | cÖZmgZv (20 mciqW)

Pj gvb 2

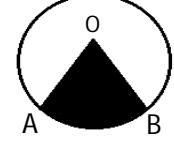
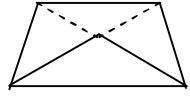
nkLbdj	velqe -'	nkLb-fkLvßbv ibt` Rbv	gj ``vqb ibt` Rbv	vetkI tj LK ibt` Rbv
<p>eþxeÈiq</p> <p>5. cÖZmgZvi avi Yv e'vL'v KitZ cvi te </p> <p>6. nßZ-Kj tg ev`é DcKi†Yi mwnfh` ti Lv I NYß cÖZmgZv hvPvB KitZ cvit te </p> <p>gtbvßcikR</p> <p>7. AbçvZ I m` kZvi avi Yv e'envi Kti ^N°cwi gvc KitZ cvi te </p>	<ul style="list-style-type: none"> cÖZmgZv ti Lv I NYß cÖZmgZv AbçvZ I m` kZvi avi Yv e'envi Kti cwi gvc 	<ul style="list-style-type: none"> ev`é DcKi†Yi mwnfh` cÖZmgZv I NYß cÖZmgZv hvPvB AbçvZ I m` kZvi avi Yv e'envi Kti ^N° cwi gvc e'vL'v 	<ul style="list-style-type: none"> ev`é DcKi†Yi mwnfh` cÖZmgZv I NYß cÖZmgZv hvPvB cÖ È wßfßRi ARvbw evüi ^N°ibY@ 2cm ? 3 cm ? 4 cm 4cm 	<ul style="list-style-type: none"> ev`é D`vni Y I wßfßi mwnfh` cÖZmgZvi e'vL'v _vKte nßZ-Kj tg ev`é DcKi†Yi mwnfh` ti Lv I NYß cÖZmgZv hvPvB Kivi cÖgvRbxq Kvhpig Aßfpß AbçvZ I m` kZvi avi Yv e'envi Kti ^N° cwi gvc i Kvhpig _vKte

cÂ`k Aa'vq : tÿÎdj msúñKZ Dccv`" I msúñ`"

(12 vcmi qW)

nkLbdj	nelqe`'	nkLb-tkLvbtv vbt` Rbv	gj` vqb vbt` Rbv	vetkl tÿ LK vbt` Rbv
eyxeEaq 1. eûfRtÿÎi tÿÎdj i avi Yv eÿLv Kitz cvite 2. tÿÎdj msúñšl Dccv`" hvPvB cÿY Kitz cvite 3. c* E DcvE eenvi Kti eûfR tÿÎ A½b A½bi h_P_Zv hvPvB Kitz cvite	<ul style="list-style-type: none"> • eûfRtÿÎi tÿÎdj • tÿÎdj msúñšl Dccv`" hvPvB cÿY <ul style="list-style-type: none"> ◦ GKB fngi Dci Ges GKB mgvšl ij ti Lvþqi gta" Aew-Z mKj wífrtÿÎi tÿÎdj mgvb ◦ GKB fngi Dci Ges GKB mgvšl ij ti Lvþqi gta" Aew-Z mgvšl KtÿÎmgtni tÿÎdj mgvb • tÿÎdj msúñšl msúñ`" <ul style="list-style-type: none"> ◦ Ggb GKU wífr AvKtZ nte hv ðviv mgvex tÿÎi tÿÎdj GKU vbw`@ PZfrtÿÎi tÿÎdj i mgvb nq ◦ GKU wífrtÿÎi tÿÎdj i mgvb tÿÎdj vewkó GKU mgvšl K AvKtZ nte, hví GKU tKvY GKU vbw`@ tKvYi mgvb nq ◦ GKU PZfrtÿÎi tÿÎdj i mgvb tÿÎdj vewkó GKU mgvšl K AvKtZ nte, hví GKU tKvY GKU vbw`@ tKvYi mgvb nq ◦ vewfbæcKvi RwgwZK-Kwi Mwi wP A½b 	<ul style="list-style-type: none"> • RwgwZK wP I ev-é D`vnitYi gva"tg eûfR tÿÎi tÿÎdj i avi Yv Dc`vcb • RwgwZK wP i gva"tg tÿÎdj msúñšl c* E Dccv`" hvPvB cÿY Dc`vcb • c* E Z_ I DcvE eenvi Kti eûfR tÿÎ A½b A½bi veeiY Dc`vcb • c* E Z_ I DcvE eenvi Kti tÿÎdj msúñšl A½b _Kte 	<ul style="list-style-type: none"> • eûfR tÿÎi tÿÎdj eYv • c* E Dccv`" tÿ vi msñK hvPvBKvY I cÿY • msñKfite eûfR tÿÎ A½b • vewfbæcKvi DcvE eenvi Kti RwgwZK-Kwi Mwi wP A½b 	<ul style="list-style-type: none"> • wP I ev-é D`vnitYi msñh eûfRtÿÎi tÿÎdj i avi Yv eÿLv _Kte • tÿÎdj msúñšl Dccv`" tÿ vi hvPvB Kivi cÿqRbxq Kvhþig I Dccv`" cÿY _Kte • c* E Z_ I DcvE eenvi Kti tÿÎdj msúñšl A½b _Kte • vewfbæcKvi DcvE eenvi Kti RwgwZK-Kwi Mwi wP A½b DcthvMx Kvhþig Ašfp _Kte
gtbvtçikR 4. wífrtÿÎi tÿÎdj i mgvb PZfrtÿÎ A½b Kitz cvite 5. PZfrtÿÎi tÿÎdj i mgvb wífrtÿÎ A½b Kitz cvite 6. vewfbæcKvi RwgwZK-Kwi Mwi wP A½b Kitz cvite	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • c* E tÿ i gva"tg vewfbæcKvi RwgwZK-Kwi Mwi wP A½b 		

Iô` k Aa"vq : cwingwZ (22 wciqW)

wkLbdj	welqe"	wkLb-tkLvtbv wb‡` Rbv	gj wqb wb‡` Rbv	wetkl tj LK wb‡` Rbv									
ewxeEaq 1. w fRty† i PzfRty† i ty†dj i m‡ c‡qm K‡i eufRty† i ty†dj wYq Ges GZ` m‡úK‡ mgm v mgvaib Kit‡Z cvi‡e 2. e‡Ei ciwa l e‡v‡ki ^N‡ wYq Kit‡Z cvi‡e 3. e‡Ei ty†dj wYq Kit‡Z cvi‡e 4. e‡ty† i Zvi Askwetk‡l i ty†dj wYq K‡i GZ` m‡úK‡ mgm v mgvaib Kit‡Z cvi‡e 5. AvqZvKvi Nbe^, NbK l tej tbi ty†dj cwingvc Kit‡Z cvi‡e Ges G m‡úK‡ mgm v mgvaib Kit‡Z cvi‡e	<ul style="list-style-type: none"> ty†dj wYq <ul style="list-style-type: none"> w fRty†, AvqZt y†, eM‡y† l i‡mt y†, mgv‡sh K‡y†, Ut‡v‡Rqyt y† l eufRty† e‡E msju‡ci‡cic <ul style="list-style-type: none"> e‡Ei ciwa l e‡v‡ki ^N‡ e‡ty† i Zvi Askwetk‡l i ty†dj wefba Nbe^ i AvqZb <ul style="list-style-type: none"> AvqZvKvi Nbe^, NbK l tej b m‡ g l Amg AvK‡ii eufRty† 	<ul style="list-style-type: none"> c‡k‡ti i gva‡g w fRty† i PzfRty† i ty†dj wYq i m‡ eYv m‡ c‡qm K‡i eufR ty† i ty†dj wYq i weeI Y Av‡j vPv DcKi‡Yi gva‡g e‡Ei ciwa l e‡v‡ki ^N‡ wYq i Av‡j vPv e‡Ei ty†dj wYq i m‡ i eYv Dc‡vcb m‡ c‡qm K‡i e‡Ei ty†dj wYq i eYv R‡w‡ZK wP‡i gva‡g e‡Ei Ask wetk‡l i ty†dj wYq i eYv Dc‡vcb e‡Ei Ask wetk‡l i ty†dj wYq m‡úK‡ mgm v mgvaib Dc‡vcb ev‡e DcKi‡Yi gva‡g AvqZvKvi Nbe^, NbK l tej tbi ty†dj wYq i m‡ i eYv Dc‡vcb m‡ c‡q‡Mi gva‡g c‡ E DcKi‡Yi ty†dj wYq Ges G msju‡cic mgm v mgvaib Dc‡vcb m‡ g l Amg AvK‡ii eufR ty† i ty†dj wYq Dc‡vcb 	QK c‡Y : (ewo i KvR) <ul style="list-style-type: none"> c‡ E ty† i ty†dj wYq <table border="1"> <tr> <td>ty†</td> <td>wP‡</td> <td>ty†d</td> </tr> <tr> <td>w fR</td> <td></td> <td>J</td> </tr> <tr> <td>PzfR</td> <td></td> <td></td> </tr> </table> c‡ E e‡Ei ciwa l e‡v‡ki ^N‡ wYq e‡Ei ty†dj wYq c‡ E e‡Ei Ask wetk‡l i ty†dj wYq 	ty†	wP‡	ty†d	w fR		J	PzfR			<ul style="list-style-type: none"> w fRty† i PzfRty† i ty†dj i m‡ c‡qm K‡i eufRty† i ty†dj wYq i eYv _vK‡e Ges GZ` m‡úK‡ mgm v mgvaib Kit‡Z cvi‡i Dch‡p Kvh‡ig _vK‡e e‡Ei ciwa l e‡v‡ki ^N‡ wYq i eYv _vL v _vK‡e e‡Ei ty†dj wYq i Kvh‡ig _vK‡e e‡ty† i Zvi Askwetk‡l i ty†dj wYq K‡i GZ` m‡úK‡ mgm v mgvaib Rb‡ c‡q‡Rbxq Kvh‡ig _vK‡e AvqZvKvi Nbe^, NbK l tej tbi ty†dj cwingvc Kit‡Z cvi‡e Ges G m‡úK‡ mgm v mgvaib Kivi Dct‡hMx KvR _vK‡e m‡ g l Amg AvK‡ii eufRty† i ty†dj cwingvc eYv _vK‡e Ges c‡q‡Rbxq Kvh‡ig _vK‡e 
ty†	wP‡	ty†d											
w fR		J											
PzfR													
gtb‡tcikR 6. m‡ g l Amg AvK‡ii eufRty† i ty†dj cwingvc Kit‡Z cvi‡e													

mB` k Aa"vq : cwi msL`vb (12 vcnqW)

wkLbdj	welqe~'	wkLb-tkLvtbv wbt` Rbv	gj "vqb wbt` Rbv	wetkl tj LK wbt` Rbv
epeEaq				
<p>1. tK`iq cëYZvi cwi gvc cxiZ evlv Ki‡Z cvi‡e </p> <p>2. tK`iq cëYZv cwi gvc mswÿß cxiZi cßqRbxqZv evlv Ki‡Z cvi‡e </p> <p>3. mswÿß cxiZi mnvfh Mo, ga"K I cßiK wbYq Ki‡Z cvi‡e </p> <p>4. µgthwRZ MYmsLv, MYmsLv eufR I A Rf ti Lv evlv Ki‡Z cvi‡e </p> <p>5. MYmsLv eufR I A Rf ti Lv tj LwP†i mnvfh DcvE evlv Ki‡Z cvi‡e </p>	<ul style="list-style-type: none"> • tK`iq cëYZv <ul style="list-style-type: none"> ◦ tK`iq cëYZv cwi gvc ◦ tK`iq cëYZv cwi gvc mswÿß ◦ mswÿß cxiZi cßqRbxqZv • newfbraitbi Z_ wetkl Y, tj LwP† Dc`vcb I evlv • MYmsLv eufR I A Rf ti Lv A½b 	<ul style="list-style-type: none"> • D`vnitYi mnvfh tK`iq cwi gvc i evlv Ges Mo, ga"K I cßiK wbYq cxiZ eYbv • D`vnitYi gva"tg µgthwRZ MYmsLv, MYmsLv eufRi evlv Ges tj LwP† t‡K DcvE wetkl Y • Z_ msMñi gva"tg MYmsLv eufR I A Rf ti Lv A½b i evlv 	<ul style="list-style-type: none"> • cØÈ Z_ DcvE t‡K Mo, ga"K I cßiK wbYq • cØÈ Z_ DcvE t‡K MYmsLv eufR I A Rf ti Lv A½b I Z_ wetkl Y 	<ul style="list-style-type: none"> • tK`iq cëYZv cwi gvc ,tj vi evlv _vKte • tK`iq cëYZv cwi gvc mswÿß cxiZi cßqRbxqZv evlv _vKte • D`vnitYi gva"tg mswÿß cxiZ‡Z Mo, ga"K I cßiK wbYq cxiZi evlv _vKte • MYmsLv wbtekbi mnvfh µgthwRZ MYmsLv, MYmsLv eufR I A Rf ti Lv evlv _vKte • newfbraitbi mnvfh MYmsLv eufR I A Rf ti Lv wKfite DcvE‡K evlv Kti Zv _vKte

5. tj LK mb̄ Rbv

beg-`kg tk̄Yi M̄YZ welq̄Ui Rb 100 b̄t eiv̄ iLv n̄q̄Q m̄b̄n 4 w̄ K̄i 2 eQ̄i tḡU 288 w̄ w̄ciqW eiv̄ iLv n̄q̄Q c̄Z w̄ciq̄Wi mgq 50 w̄gbU M̄YZ welq̄i w̄k̄yv̄utg w̄kLbdj Ges welqe-`Ggbf̄te c̄q̄b K̄i n̄q̄Q thb eiv̄ KZ 288 w̄ciq̄W w̄k̄yv̄_x̄ me, tj v w̄kLbdj AR̄ K̄i t̄Z c̄t̄i | M̄YZ welq̄Ui beg-`kg tk̄Yi m̄Kj kv̄Li w̄k̄yv̄_x̄ i Rb GK̄U Awek̄K welq̄ M̄YZ welq̄ GK̄U c̄Wc̄ȳt̄Ki m̄c̄wi k̄i K̄i n̄q̄Q c̄Wc̄ȳt̄Ki m̄c̄wi k̄KZ c̄p̄msL̄ n̄t̄j v (300±20)c̄p̄v̄ |
c̄Wc̄ȳK i Pb̄vi t̄ȳt̄i w̄b̄q̄w̄LZ welq̄mḡni c̄Z m̄et̄kl̄ iaz̄i w̄t̄Z n̄te-

1. w̄k̄yv̄K̄g eiv̄ M̄YZ m̄b̄n w̄kLbdj Ges w̄kLb-t̄kLb̄t̄b̄ w̄b̄t̄ Rbv w̄tePbvq t̄i t̄L welqe-`Dc̄t̄cb K̄i t̄Z n̄te |
2. c̄th̄R̄ t̄ȳt̄i Aa@-`e ch̄q̄ welqe-`Dc̄t̄cb K̄i t̄Z n̄te | Dc̄t̄cb i w̄Z n̄te mnR t̄t̄K K̄Wb, Rbv t̄t̄K AR̄b̄v̄ | gZ̄t̄t̄K w̄egZ̄ w̄elqe-`Dc̄t̄cb av̄ w̄ewmKZv̄ eRv̄q iLv̄t̄Z n̄te Ges w̄k̄yv̄_x̄ i eqm, ḡb̄mK c̄w̄i c̄KZv̄ | avi Ȳ ȳgZv̄ Dc̄th̄M̄x̄ K̄i mnR | P̄j Z f̄v̄l̄v̄ q̄j L̄t̄Z n̄te |
3. welqe-`Dc̄t̄cb c̄th̄R̄ D̄v̄niY eenvi K̄i t̄Z n̄te | c̄Z Aa@t̄q̄ c̄m̄w̄K | Rx̄eb̄w̄f̄ĒK D̄v̄niY c̄Wc̄ȳt̄K ms̄th̄Rb K̄i t̄Z n̄te | Ab̄kj̄j̄ b̄t̄Z Dc̄t̄w̄Z̄ mgm̄v̄mḡa PPFQov̄l̄ w̄k̄yv̄_x̄ w̄P̄š̄i | avi Ȳi thb w̄Kv̄k N̄t̄U t̄m̄w̄t̄K t̄Lq̄j iLv̄t̄Z n̄te | Dc̄t̄w̄Z D̄v̄niY | Ab̄kj̄j̄ b̄xi K̄v̄Rmḡa w̄k̄yv̄_x̄ i ^ b̄w̄b Rx̄et̄bi Ges ĀR̄Z Āf̄ĀZvi m̄t̄_Aek̄B m̄p̄uK̄b̄ n̄t̄Z n̄te |
4. Av̄teM̄q w̄kLbdj AR̄b̄i Rb̄ welqe-`Dc̄t̄cb ev̄ w̄f̄ĒK mgm̄v̄ | KḡR̄U ms̄th̄Rb K̄i t̄Z n̄te |
5. welqe-`i Dc̄t̄cb KḡR̄U w̄f̄ĒK n̄t̄Z n̄te | Dc̄t̄w̄Z welqe-`Av̄K̄i Ȳq̄ | Av̄b̄`v̄q̄K K̄i v̄ Dc̄i iaz̄i c̄v̄b K̄i t̄Z n̄te, h̄t̄Z M̄YZ w̄k̄yv̄i c̄Z w̄k̄yv̄_x̄ i Av̄b̄v̄ | I f̄w̄Z `i n̄q̄ |
6. w̄kLbdj AR̄b̄i Rb̄ ch̄B̄ Ab̄kj̄j̄ b̄x̄ w̄t̄Z n̄te Ges Ab̄kj̄j̄ b̄t̄Z m̄Rbk̄j̄ c̄k̄k̄ ms̄th̄Rb K̄i t̄Z n̄te |
7. w̄k̄yv̄_x̄ ej̄x̄eĒq̄ w̄Kv̄k mn̄q̄K mgm̄v̄ ms̄th̄Rb K̄i t̄Z n̄te | w̄k̄ȳt̄Ki b̄b̄Zg mn̄q̄Zv̄ h̄t̄Z w̄k̄yv̄_x̄ w̄elqe-`Av̄q̄Ē K̄i t̄Z c̄t̄i th̄ w̄t̄K Z̄x̄ȳ`w̄o w̄t̄Z n̄te |
8. w̄e`v̄j̄ q̄f̄ĒK gj̄ v̄q̄t̄bi Dc̄th̄M̄x̄ KḡR̄U w̄f̄ĒK welqe-` (activity based content) c̄Wc̄ȳt̄K ms̄th̄Rb K̄i t̄Z n̄te |
9. welqe-`Dc̄t̄cb t̄R̄Uv̄i mgZv̄ (gender equity) i j̄v̄ K̄i t̄Z n̄te |
10. welqe-`Dc̄t̄cb ^b̄w̄ZK gj̄ t̄er̄ai c̄w̄i c̄š̄i | aḡq̄ Ab̄f̄w̄Zt̄Z Av̄w̄Z n̄t̄b Ggb welq c̄w̄ni K̄i t̄Z n̄te |

íkýüŋ

D'PZi MwYZ

beg-`kg tköy

1. f_{ig}Kv

gube mf' Zvi AM_WZ mvatb weÁvbi Ae`vb Acwiwig | Avi weÁvbi Pw_j Kv kw³ M_WZ | ZvB RvZq wkyv_jtg mKj wkyv_x^p Rb^o M_WZtK Awek Kxq cW^o Kiv nqtQ | Zte th tKib weÁvb I c_bw³ wkyvi Rb^o M_WZi AwakZi gRe_j Ávbi c_bqRb | Avi GB Df_i k^o wbtqB D" PZi M_WZi hñv |

wkyv_x^p i_jK M_WZ wkyvq AwM_Wx Kivi j_jy^o D" PZi M_WZtK mnR mij I my^o ifv_je Dc^ocb Kivi c_bym t_bl qv nqtQ | we_jk_j mf' Zv, weÁvb-c_bw³ G_WM_WP_j tQ neaq M_WZtKI Zij t_jL Pj tZ nte | ZvB tek wKQz bZb we_jqe^o thgb: "ibw⁴ R^og_jZ, w_jc^ox we^oz I m_jfvebvi AeZvi Yv Kiv nqtQ | D" PZi M_WZ h_jw³ gj K R^og_jZi fvi j vNe K_ji e_jenwi K R^og_jZtK c_bab^o t^o l qv nqtQ | c_bq c_bZt_jt^o c_bqMK M_WZi Dci tRvi t^o l qv nqtQ |

wkyv_x^p hv_jZ ev^ole_jf_jEK mgm^o mgvar_jb exRM_WZ I R^og_jZtK e_jenvi Ki_jZ cv_ji tm_j tK we_jk_j iZj A_jivc Kiv nqtQ | wkyv_x^p i M_WZK h_jw³ e_jenvi Kivi thM^oZv Ges wP_ji ci_jia weK_jki myhM myoi gra_jtg D" PZi ch_bq wkyv M_bh_jYi wfZ gRe_j Kiv-D" PZi M_WZi Ab^oZg Df_ik^o |

2. Dfīk"

1. tmU I dñsktb i m¤úñwi Z Ávb j vf Kti cñqM KitZ cviv|
2. `B Pj Kienkó mgxKi Y tRvñUi mgvavb nñbYø I cñqvtM myg nl qv|
3. AmgZvi avi Yv j vf Kti GK I `B Pj Kienkó AmgZvi mgvavb Kiv Ges ev-é tÿtÍ Zv cñqM KitZ myg nl qv|
4. mPKxq I j Mwi`gq dñskb m¤úñK®avi Yv j vf Kiv Ges tj LñP A½tb myg nl qv|
5. Amg avi vi Ávb j vf Kiv I Zv eñenñi myg nl qv|
6. wC`x we-ñZi avi Yv j vf Kiv I MwYñZK mgmñv mgvarñb myg nl qv |
7. RñgñZK A½b I Dccv` cñqY `yZv ARØ Kiv|
8. -ibñ/4 RñgñZi tgñj K avi Yv j vf Kiv I mij ti Lvi mgxKi Y Mñb KitZ myg nl qv|
9. mgZj xq tf±ñi i avi Yv I cñqM m¤úñK®AeMZ nl qv|
10. wñgnñK e-ñi ci gyc KitZ myg nl qv|
11. wñgnñK AbçitZi Ávb m¤chñvi Y Kiv I cñqvtM `y nl qv|
12. m¤ebri cñgK avi Yv j vf Kti cñqvtM myg nl qv|
13. MñYñZi AvajbK añb-avi Yv m¤úñKZ Ávb j vf Kti Abñb weIñqi mñt_ MñYñZi m¤úñK®vcb Kiv|

3. Aa'vq we'b'vm I wciw qW eEb

	Aa'vq i wktivbvg	wciw qW	cpiutj vPbvi Rb' eivI KZ wciw qW
beg tkW-1g tmng÷vi	1. tmU I dskb	12	4
	2. exRMmYwZK i wk	12	4
	3. mgxKiY	14	5
	4. R'wqZ	10	3
	5. w̄tKvYwqZ	6	2
		54	18
beg tkW-2q tmng÷vi	1. AmgZv	10	3
	2. mPKxq I j Mwvi `gxq dskb	12	4
	3. Amxg aviv	7	3
	4. w̄c`x we-wZ	7	2
	5. R'wqZK A½b	12	4
	6. w̄tKvYwqZ	6	2
		54	18
'kg tkW- 1g tmng÷vi	1. -ibw½ R'wqZ	12	4
	2. tf±i	10	3
	3. Nb R'wqZ	14	5
	4. w̄tKvYwqZ	10	3
	5. mæebv	8	3
		54	18
'kg tkW-i 2q tmng÷vti mæuY@mtj evtmi I ci vbePb cixyv AbjöZ nq ZvB 'kg tkW-i 2q tmng÷vti eivI KZ 54 wciw qW mæuY@Btqi cpiutj vPbvi Rb' eivI ivLv ntqtQ			

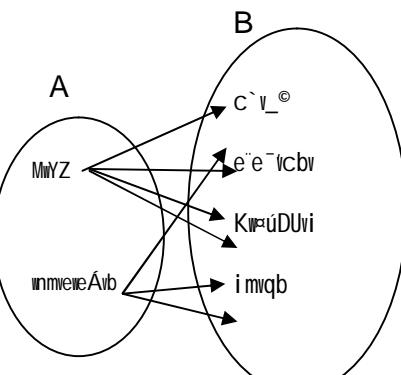
4. ॥ beg-` kg tk̪v

cög Aa"vq : tmU I dvskb (12 ncmiqW)

nkLbdj	nelqe"	nkLb-tkLvibv ibt` Rbv	gj"vqb ibt` Rbv	netkl tj LK ibt` Rbv
<p>epxeEq</p> <p>1. mweK tmU, DctmU, cik tmU I kw³ tmU MVb KitZ cvite </p> <p>2. newfbœtmUi msthM, tq` I Aši wbyq KitZ cvite </p> <p>3. tmU cikqvi agfewj i thš³K cijY KitZ cvite </p> <p>4. mgZj tmU eYDv KitZ cvite Ges Gi gva"tg Amxg tmUi avi Yv e"vLv KitZ cvite </p> <p>5. tmUi msthMi kw³ tmU wbyqi m̄ e"vLv KitZ cvite Ges tfbiP̄ I D`vnitYi mnvth Zv hvPvB KitZ cvite </p> <p>6. tmU cikqvi cikqM K̄i RxebwfEK mgm"v mgvarb KitZ cvite </p>	<ul style="list-style-type: none"> • mweK tmU, DctmU, cik tmU I kw³ tmU • tmUi msthM, tq` I Aši • tmU cikqvi agfewj • mgZj tmU I Amxg tmU • tmUi msthMi kw³ tmU • ev"b mgm"v mgvarb tmU 	<ul style="list-style-type: none"> • GKK I `j MZ KvRi gva"tg mweK tmU, DctmU, cik tmU I kw³ tmU MVb • D`vnitYi mnvth tmUi msthM wera, newbgq wera, `v gi M'vbi m̄i e"vLv I e"envi • D`vnitYi gva"tg mgib msL"K Dc`vb newkó `BiU tmUi mnvth mgZj tmU e"vLv • `vweK msLvi tmUi mnvth Amxg tmUi e"vLv Ges D³ tmUi newfbœDctmU I {1, 1/2, 2/3, 3/4,} Gi gva"tg Amxg mgZj tmUi D`vnitYi • D`vnitYi mnvth kw³ tmUi e"envi Dc`vb 	<ul style="list-style-type: none"> • tmU MVbi mVKZv • tmU cikqvi mVK wPtyi e"envi • cikhvR t̄ȳt̄i mVK m̄i wbePb • m̄i mnvth h_v_Pvte mgvarb • `vweK msLvi tmUi t_ik newfbœAmxg DctmU Zvi Kiv Ges Ḡi mgZj Zv hvPvB • kw³ tmU MVbi mygZv hvPvB 	<ul style="list-style-type: none"> • tmUi msthM wera, newbgq wera, `v gi M'vbi m̄i

cōg Aāvq : t̄mU I d̄vskb (12 m̄n̄i qW)

Pj gvb 2

ikLbdj	wēlqē'	ikLb-t̄kLvt̄bv wb̄t̄ Rbv	gj̄' vqb wb̄t̄ Rbv	wētkl tj LK wb̄t̄ Rbv
7. t̄m̄t̄Ui m̄n̄v̄t̄h̄ Ašq̄ I d̄vskb Gi avi Yv ēvL̄v KīZ c̄v̄te	• Ašq̄ Ges d̄vskb Gi avi Yv	• ev̄-é D̄vni t̄Yi ḡv̄t̄g Ašq̄ I d̄vskb t̄K ēvL̄v Kiv , thgb-f̄wZP c̄K thM̄Zv	• Ašq̄ I d̄vskb k̄b̄t̄K īt̄Yi m̄WKZv	• c̄w̄i PZ D̄vni t̄Yi ḡv̄t̄g Ašq̄ I d̄vskt̄bi avi Yv Dc̄-vc̄b Kiv Ges m̄t̄_m̄t̄_t̄W̄t̄gb, t̄KvN̄t̄W̄t̄gb, t̄īt̄Ai avi Yv Ges t̄fb̄P̄t̄ Gi Dc̄-vc̄b _vKt̄e
8. d̄vskt̄bi t̄W̄t̄gb I t̄īt̄ Ä m̄bYq̄ KīZ c̄v̄te	• d̄vskb Gi t̄W̄t̄gb I t̄īt̄ Ä • GK-GK d̄vskb, m̄wēR d̄vskb I GK-GK m̄wēR d̄vskb	 GL̄t̄b t̄m̄U A I t̄m̄U B Gi gā Ašq̄ wē`gv̄b w̄K̄S̄ t̄W̄t̄gb I t̄Kv̄t̄W̄t̄gb cīt̄ui c̄w̄ieZ̄b Kīt̄j d̄vskb I Ašq̄ 'B̄UB nq-G avi Yvi ḡv̄t̄g Dc̄-vc̄b • M̄w̄i ZK D̄vni t̄Yi m̄n̄v̄t̄h̄ GK GK m̄wēR d̄vskt̄bi Av̄t̄ vP̄v̄b thgb-f(x) = x + 1 thL̄t̄b x t̄Rv̄o msL̄v̄i d̄vskb U GK-GK I m̄wēR Ges GBf̄c d̄vskt̄bi wēcixZ d̄vskb wē`gv̄b	• t̄W̄t̄gb I t̄īt̄ Ä m̄bYq̄ KīZ c̄v̄te • GK-GK d̄vskb m̄wēR I GK-GK d̄vskb k̄b̄t̄K īt̄Yi m̄WKZv • wēcixZ d̄vskb m̄bYq̄Kīt̄Yi m̄WKZv • tj L̄P̄t̄ Āt̄bi h̄v̄_Zv̄ • d̄vskb I Ašq̄ k̄b̄t̄K īt̄Yi m̄WKZv	• d̄vskt̄bi m̄v̄avi Y msÁv̄ I wēf̄b̄e d̄vskb :GK-GK d̄vskb, m̄wēR d̄vskb, GK GK m̄wēR I wēcixZ d̄vskt̄bi D̄vni Ymn Dc̄-vc̄b _vKt̄e
9. GK-GK d̄vskb, m̄wēR d̄vskb I GK-GK m̄wēR d̄vskb D̄vni t̄Yi m̄n̄v̄t̄h̄ ēvL̄v KīZ c̄v̄te	• wēcixZ d̄vskb Ašq̄ I d̄vskt̄bi tj L̄P̄t̄			
10. wēcixZ d̄vskb ēvL̄v KīZ c̄v̄te				
ḡb̄v̄t̄c̄ikR				
11. tj L̄P̄t̄i m̄n̄v̄t̄h̄ t̄Kv̄t̄b̄ Ašq̄ d̄vskb m̄Kb̄ Zv̄ hv̄P̄v̄b̄ KīZ c̄v̄te				
12. Ašq̄ I d̄vskt̄bi tj L̄P̄t̄ Āt̄b KīZ c̄v̄te				• $y = f(x) = mx + c$, $f(x) = ax^2 + bx + c$ Øiv̄ ēvL̄v d̄vskb Ges $x^2 + y^2 = a^2$ Øiv̄ c̄KwKZ Ašq̄i tj L̄P̄t̄ _vKt̄e

ମୂଳାଙ୍କ ଆନ୍ଦୋଳନ ଇନ୍କ

(12 ମୁଦ୍ରିତ ପତ୍ର)

ମୂଲାଙ୍କ ଇନ୍କ	ମୁଦ୍ରିତ ପତ୍ର	ମୂଲାଙ୍କ ବିଭାଗ	ଗ୍ରହିତ ବିଭାଗ	ମେଟିକ୍ ଓ ଏକାଧିକ ବିଭାଗ
ସମ୍ବନ୍ଧିତ ପରିଚୟ				
1. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍	• ତେବେଳୀ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍
2. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍
3. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍
4. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	○ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍
5. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍
6. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍	• ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍
7. ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍	• ଗ୍ରହିତ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍	• ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍ ଏୟାକ୍

ZZaq Aa''vq : mgxKiY (14 n̄cniqW)

ව්‍යුද්‍ය	වේගේ'	ව්‍යුද්‍ය-ක්‍රිඩ්‍රබ ව්‍යුද්‍ය-රුබ	ග්‍යාව්‍ය ව්‍යුද්‍ය-රුබ	වේක්‍රි ත්‍ය ලක ව්‍යුද්‍ය-රුබ
පෙළේදු				
1. ව්‍යුද්‍ය mgxKiY ($ax^2 + bx + c = 0$) mgvavb Ki‡Z cvi‡e	<ul style="list-style-type: none"> • ව්‍යුද්‍ය mgxKiY ($ax^2 + bx + c = 0$) mgvavb 	<ul style="list-style-type: none"> • eMgRi‡Yi gva‡g ව්‍යුද්‍ය mgxKi‡Yi mgvavb chRß D`vni‡Yi mvnv‡h Dc‡lcb 	<ul style="list-style-type: none"> • mgvavb I mgvavbi i‡ix ci‡yvi 	<ul style="list-style-type: none"> • AĀvZ ev Pj iවki c‡i‡tj vPbv _vKte ව්‍යුද්‍ය mgxKiY ($ax^2 + bx + c = 0$) mgvavbi tKšk‡j i eYbv _vKte
2. eMgj මෙවකො mgxKiY ප්‍රියූ Z Ki‡Z cvi‡e	<ul style="list-style-type: none"> • eMgj මෙවකො mgxKiY 	<ul style="list-style-type: none"> • ව්‍යුද්‍ය mgxKiY mgvavbi mvavi Y m‡i D‡j LceR e‡L'v Ges th‡y‡† ev‡e gj tbB ZvI e‡L'v 	<ul style="list-style-type: none"> • i‡ix Ki‡Yi mg‡yZvI 	<ul style="list-style-type: none"> • eMgj msew j Z mgxKiY tRvU ප්‍රියූ Z Kivi Dc‡iqi eYbv _vKte
3. eMgj මෙවකො mgxKiY mgvavb Ki‡Z cvi‡e				
4. mPKxq mgxKiY e‡L'v Ki‡Z cvi‡e	<ul style="list-style-type: none"> • mPKxq mgxKiY 	<ul style="list-style-type: none"> • eMgj මෙවකො I mPKxq mgxKi‡Yi mgvavb c‡Z t‡y‡† i‡ix ci‡yvi gva‡g hPvB 	<ul style="list-style-type: none"> • mgxKiY MVb I mgvavbi h_v_ZvI 	<ul style="list-style-type: none"> • D`vni‡Yi mvnv‡h eMgj msew j Z mgxKi‡Yi mgvavbi tKšk‡j I i‡ix ci‡yvi _vKte
5. mPKxq mgxKiY mgvavb Ki‡Z cvi‡e				
6. `ප Pj ‡Ki GKNvZ I ව්‍යුද්‍ය mgxKi‡Yi tRvU mgvavb Ki‡Z cvi‡e	<ul style="list-style-type: none"> • `ප Pj K GKNvZ I ව්‍යුද්‍ය mgxKi‡Yi tRvU 	<ul style="list-style-type: none"> • ev‡erf‡EK mgm‡vq `ප Pj ‡Ki GKNvZ I ව්‍යුද්‍ය mgxKiY tRvU MVb I mgvavbi e‡L'v 		<ul style="list-style-type: none"> • `ප Pj K මෙවකො GKNvZ mgxKiY tRvU I ව්‍යුද්‍ය mgxKiY tRvU mgvavbi tKšk‡j D`vniYmn e‡L'v _vKte
7. ev‡erf‡EK mgm‡vq `ප Pj ‡Ki GKNvZ I ව්‍යුද්‍ය mgxKi‡Y c‡Kik K‡i mgvavb Ki‡Z cvi‡e				<ul style="list-style-type: none"> • ev‡erf‡EK mgm‡vq `ප Pj ‡Ki GKNvZ I ව්‍යුද්‍ය mgxKiY tRvU c‡Kik tKšk‡j _vKte
8. `ප Pj K මෙවකො mPKxq mgxKiY tRvU mgvavb Ki‡Z cvi‡e	<ul style="list-style-type: none"> • `ප Pj K මෙවකො mPKxq mgxKiY tRvU 			
ග්‍යාව්‍ය ක්‍රිඩ්‍රබ				
9. tj LwP‡†i mvnv‡h ව්‍යුද්‍ය mgxKiY ($ax^2 + bx + c = 0$) mgvavb Ki‡Z cvi‡e	<ul style="list-style-type: none"> • tj LwP‡†i mvnv‡h ව්‍යුද්‍ය mgxKiY mgvavb Ki‡Z cvi‡e 	<ul style="list-style-type: none"> • $a(\neq 0), b, c$ Gi th‡Kv‡b ev‡e g‡ibi Rb ‡ tj LwP‡†i mvnv‡h ව්‍යුද්‍ය mgxKiY mgvavbi e‡L'v 	<ul style="list-style-type: none"> • tj LwP‡†i A‡‡bi h_v_ZvI mgvavbi mVKZv 	<ul style="list-style-type: none"> • tj LwP‡†i mvnv‡h ව්‍යුද්‍ය mgxKiY ($ax^2 + bx + c = 0$) mgvavbi tKšk‡j i eYbv _vKte

PZL ©Aa"vq : R"wgwZ (10 wciqw)

වලbdj	වelqe-	වලb-කLbvb vbt` Rbv	gj` vqb vbt` Rbv	වetkl t j LK vbt` Rbv
epkeEeq 1. j [¤] Awfytci avi Yv e"l"v KitZ cvte 2. wcvMvifmi Dccif`i Dci wfE Kti cE Dccif` ,tj v cgy I cqqM KitZ cvte	<ul style="list-style-type: none"> • j [¤]Awfytyc • wcvMvifmi Dccif`i we"Z <ul style="list-style-type: none"> ◦ j KitYx wftRi j KitYi wecixZ evui Dci Awaz empyH tKitYi mubnZ Ab" B evui lci Awaz empyT0tqi Ges H `Beuui thKitbv GKU I Zvi lci Aci evui j [¤] Awftyci ASMZ AvqZtysti w, tYi mgro mgub ◦ thKitbv wftR m2 tKitYi wecixZ evui lci Awaz empyH Aci "B evui lci Awaz empyT0tqi mgro Atcyv H "B evui thKitbv GKU I Zvi lci Aci lji j [¤] Awftyci ASMZ AvqZtysti w, Y cui gY Kg 	<ul style="list-style-type: none"> • Avtj vQvqi D`vnitYi mnvth" j [¤] Awftyci ev"e avi Yv c0vb Dccif` ,Bw t_k K wetkl tyt`i wcvMvifmi m" c0Zcv` b • wftRi evu I j [¤]Awfytci ^N tgtc Dccif` i welqe- hvPvB • Dccif` ,tj vi e'enwi K cqqM D`vnitYi gva"tg Dc"vcb 	<ul style="list-style-type: none"> • wPf mVKf vte j [¤] Awftyci wPvZKi Y • mVKf vte m" c0Zcv` b • welqe- i mVKZv hvPvB 	<ul style="list-style-type: none"> • j [¤]Awfytci avi Yv _Kte • wcvMvifmi Dccif` i Dci wfE Kti cE Dccif` ,tj v hvPvB Kivi c0hvRbxq Kvhpg I Dccif` ,tj vi cgy _Kte

PZL @Aa"vq : R"wgwZ (10 wciqW)

Pj gvb 2

ව්‍යුත්පනය	වේලෝ-	ව්‍යුත්පනය ව්‍යුත්පනය	ගිරුවා ව්‍යුත්පනය	වෙක්ල තිලක ව්‍යුත්පනය
4. eþ, tþi Dccv` cþY I cþqM KiþZ cvi te	<ul style="list-style-type: none"> o û ftRi thftKvþbv `B evui Ici AþMZ eMþyþtþqi mgwó, ZZxq evui AtaþKi Ici eMþyþtþ Ges H evui mgwóLÊK ga"gví Ici eMþyþtþi mgwó i wóY o û ftRi cniþK`^, fiþK`^ I j wæ` ymgti L <p style="text-align: center;">eþ, tþi Dccv`</p> <ul style="list-style-type: none"> o ftKvþbv û ftRi thftKvþbv `B evui AþMZ AvqZtþyþtþ H û ftRi cniþEi e"m Ges H evuþtqi mwavi Y wæ` y tþK fngi Ici AþMZ j þtþ AþMZ AvqZtþyþtþi mgwb <p style="text-align: center;">Uþj wi Dccv`</p> <ul style="list-style-type: none"> o eþE AþMj tþL tKvþbv PZfþRi KYþtþqi AþMZ AvqZtþyþtþ H PZfþRi weçixZ evuþtqi AþMZ AvqZtþyþtþi mgwói mgwb 			<ul style="list-style-type: none"> • Dccv` , tþj vi e"enwi K cþqþMi D`vni Y _Kþe • Dccv` , tþj v hþvB Kivi cþhþRbxq Kvhþig Dccv` , tþj vi cþY _Kþe • Dccv` , tþj vi e"enwi K cþqþMi D`vni Y _Kþe
5. Utj wi Dccv` cþY I cþqM KiþZ cvi te				

cÂg Aa vq : RÂwqZK A½b (12 mci qW)

nkLbdj	velqe-	nkLb-tkLvþbv vþþ` Rbv	gj vqb vþþ` Rbv	vetkl tj LK vþþ` Rbv
<p>eþeþEq</p> <p>1. cØ E Z_ I DcvþEi wþEþZ wþfR A½b Ges A½þbi h_v_Zv hþPvB KitZ cvte </p> <p>2. cØ E Z_ I DcvþEi wþEþZ eþ A½b Ges A½þbi h_v_Zv hþPvB KitZ cvte </p>	<ul style="list-style-type: none"> weea RÂwqZK A½b wþfR msþvþši wþfþRi fþg, fþg msj Mæ GKU tKvY I D"PVt` I qv AvþQ, wþfRiU A½b KitZ nte wþfþRi fþg , wkitKvY I Aci eþþtqi mgþo t` I qv AvþQ, wþfRiU A½b KitZ nte wþfþRi fþg, wkitKvY Ges Aci `þerui Aþi t` I qv AvþQ, wþfRiU A½b KitZ nte wþfþRi D"PVt, fþgi Dci gaþgv Ges fþg msj Mæ GKU tKvY t` I qv AvþQ wþfRiU A½b KitZ nte eþ msþvþši Ggb GKU eþ A½b KitZ nte hþ`þU wþv@ weþ`y wþþq hþq Ges hvi tKvY GKU wþv@ mij tì Lvq Aew-Z_vþK 	<ul style="list-style-type: none"> RÂwqZK hþcþZi gvaþg teþW® wþfR A½b jMZ KvR : wþfþRi wZbu wewfbocwi gvc t` I qv _vKtj wþfRiU A½b mæ wKbv-Zv hþPvB Ges Avþj vþbv gvaþg wþxþši DcbxZ nI qv eþ A½b msþvþši Abþkj b 	<ul style="list-style-type: none"> A½þbi mWkZv A½þbi h_v_Zv wmþxþši mWkZv <ul style="list-style-type: none"> tKvY Awþþvi gvaþg A½þbi mWkZv I h_v_Zv 	<ul style="list-style-type: none"> cØ E Z_ I DcvþEi wþEþZ wþfR A½b Ges A½þbi h_v_Zv hþPvB Gi eYþv _vKtj cØ E Z_ I DcvþEi wþEþZ eþ A½b Ges A½þbi h_v_Zv hþPvB Gi eYþv _vKtj

cÂg Aa'vq : R'wqñZK A½b (12 vcmi qW)

Pj gvb 2

íkLbdj	vælqe-	íkLb-íkLvtbv íbt` Rbv	gj`vqb íbt` Rbv	vetkl tjlK íbt` Rbv
	<ul style="list-style-type: none"> ○ GKñU mbw` Ø ti Lvtki mgib e'vmañekó GKñU eE A½b KitZ nte hv `BñU mbw` Ø we`yw` tq hvq ○ Giç GKñU eE A½b KitZ nte hv GKñU mbw` Ø eE:tK mbw` Ø we`jZ - úk'kti Ges ejEi eint`-tKvtbv mbw` Ø we`yw` tq hvq ○ Giç GKñU eE A½b KitZ nte hv GKñU mbw` Ø mij ti LvtK GKñU mbw` Ø we`jZ - úk'kti Ges ti Lvi eint`-tKvtbv we`yw` tq hvq 			

Iô Aa^vq : AmgZv (10 v*ci*qW)

nkLbdj	weIqe ⁻	nkLb-tkLv ^{bv} vbt` Rbv	gj ^v qb vbt` Rbv	weIkl tj LK vbt` Rbv
eyxeEaq 1. GK I `ß Pj tKi GK NiZneikó AmgZv e"vL"v Ki‡Z ci‡te 2. GK I `ß Pj Kneikó mij AmgZv MVb I mgvavb Ki‡Z ci‡te 3. ev-éwfiEK MwYiZK mgm"q AmgZv e"envi K‡i mgvavb Ki‡Z ci‡te	<ul style="list-style-type: none"> GK I `ß Pj tKi GK NiZneikó AmgZv <ul style="list-style-type: none"> mij AmgZvi mgvavb mij AmgZvi tj LIP† ev-éwfiEK mgm"q AmgZvi e"vL"v MVb I mgvavtbi Dc-icb 	<ul style="list-style-type: none"> x - a ≤ b, x - a ≥ b, RvZxq AmgZvi mgvavb cxvZ Dc-icb ev-éwfiEK mgm"q AmgZvi e"vL"v MVb I mgvavtbi Dc-icb 	<ul style="list-style-type: none"> AmgZv MVtbi mÿgZv I mgvavtbi mVKZv 	<ul style="list-style-type: none"> AmgZv I mgvKtYi ci_R" D`vni Ymn eYv _vKte RxebNibó mgm"q AmgZv e"envi Kivi tKSkj i D`vni Ymn e"vL"v _vKte
gtbv‡cukR 4. GK I `ß Pj Kneikó AmgZv‡K tj LIP†i mvnvh"v mgvavb Ki‡Z ci‡te		<ul style="list-style-type: none"> GK I `ß Pj Kneikó AmgZv‡K tj LIP†i Dc-icb I mgvavtbi e"vL"v 	<ul style="list-style-type: none"> tj LIP†i A½tbi h_v_Zv I mgvavtbi mVKZv 	<ul style="list-style-type: none"> GK I `ß Pj Kneikó AmgZv‡K tj LIP†i mvnvh"v mgvavb Kivi tKSkj e"vL"v _vKte

mßg Aa"vq : Amxg aviv(7 nciqW)

nkLbdj	nelqe-	nkLb-tkLvtbv vbt` Rbv	gj` vqb vbt` Rbv	vetkl tj LK vbt` Rbv
<p>eykeEq</p> <p>1. AbKgi avi Yv e"vL' Ki‡Z cvite </p> <p>2. Amxg aviv wlyZ Ki‡Z cvite </p> <p>3. Amxg ,‡YvEi avivi mgwó _vKvi kZ"e"vL' Ki‡Z cvite </p> <p>4. Amxg ,‡YvEi avivi mgwó wYq Ki‡Z cvite </p> <p>5. AveE ` kigK msL"v‡K Abši ,‡YvEi avivq cKvk Ges mwavi Y fMstik ifcišli Ki‡Z cvite </p>	<ul style="list-style-type: none"> • AbKg • Amxg aviv • Amxg ,‡YvEi aviv • AveE ` kigK msL"v‡K Abši ,‡YvEi avivq cKvk Ges mwavi Y fMstik ifcišli 	<ul style="list-style-type: none"> • tKvibv Ktik nkjyv_xP i Avmb Abjwqx tivj b¤t, tji vi µgvštq mwRvtj GKJU Abjug cvl qv hvq GQrov tKvibv tkjYi nkjyv_xP i D"PZv µgvštq mwRvtj GKJU Abjug cvl qv hvq GB ai‡Yi Aviv D`vni Y w tq Abjtg Avtj vPbv • Abjug I avivi gta"wgj I Avgj Dc"vcb • Amxg ,‡YvEi aviv e"vL' I mgwó wYq Avtj vPbv • D`vni‡Yi gva"tg AveE ` kigK msL"v‡K Abši avivq cKvk Ges mwavi Y fMstik ifcišli 	<ul style="list-style-type: none"> • ciketii gva"tg nelqe- i mwKZv • Abjug I avivi wbo`θ c` tei Kivi tKskj D`vni Ymn eYv _vKte • Amxg ,‡YvEi avivi mgwó wYq Kivi c×wZmn eYv _vKte • Abjug I avivi cv_R Kivi mygZv • mgwó wYq i mwKZv • tkjY Avfjyi gva"tg nelqe- i mwKZv 	<ul style="list-style-type: none"> • Abjug I avivi cv_R D`vni Ymn eYv _vKte • Abjug I avivi wbo`θ c` tei Kivi tKskj D`vni Ymn eYv _vKte • Amxg ,‡YvEi avivi mgwó wYq Kivi c×wZmn eYv _vKte • AveE ` kig‡Ki e"vL' mn eYv _vKte • D`vni Ymn AveE ` kigK msL"v‡K ifcišli Kivi tKsktj i eYv _vKte

Aög Aa''vq : w̄tKvYngw̄

(22 wciqW)

ව්‍යුත්පනය	වෙළඳීම්	ව්‍යුත්පනය න්‍යුත්පනය	ගිණුම් න්‍යුත්පනය	වෙක්ල තිබුන් න්‍යුත්පනය															
<p>එකෝනොමික සාර්ථක ප්‍රතිචාර මෙහෙයුම් න්‍යුත්පනය</p> <ol style="list-style-type: none"> නිව්‍යුත්පනය සාර්ථක ප්‍රතිචාර මෙහෙයුම් න්‍යුත්පනය නිව්‍යුත්පනය සාර්ථක ප්‍රතිචාර මෙහෙයුම් න්‍යුත්පනය ප්‍රිවූ පැන්ස් ව්‍යුත්පනය න්‍යුත්පනය ZK AbcivZmgfni wPý න්‍යුත්පනය R Kitz crite AbaY^o2π tKvYi wKvYigZK AbcivZ wYq Kitz crite -θ tKvYi wKvYigZK AbcivZ wYq KitZ crite cYmsLvn (n≤4)Gi Rb ($\frac{n\pi}{2} \pm \theta$) tKvYi wKvYigZK AbcivZ wYq I cQqM KitZ crite mnR wKvYigZK mgxKitYi mgvarb KitZ crite 	<ul style="list-style-type: none"> නිව්‍යුත්පනය සාර්ථක ප්‍රතිචාර මෙහෙයුම් න්‍යුත්පනය නිව්‍යුත්පනය සාර්ථක ප්‍රතිචාර මෙහෙයුම් න්‍යුත්පනය PriwU PZFM wKvYigZK AbcivZmgfni wPý න්‍යුත්පනය R Kitz crite AbaY^o2π tKvYi wKvYigZK AbcivZ -θ tKvYi wKvYigZK AbcivZ cYmsLvn (n≤4)Gi Rb ($\frac{n\pi}{2} \pm \theta$) tKvYi wKvYigZK AbcivZ wYq I cQqM mnR wKvYigZK mgxKitYi mgvarb 	<ul style="list-style-type: none"> තිව්‍යුත්පනය eVmataP eE A1b Kti mZvi mvnvti eVmataP mgvb eEPvc nbtq tivWqyb tKvY cwigci avi Yv QK ciYi gvaYg tivWqyb tKvYi apZv hPvB <p>QK ciY :</p> <table border="1"> <thead> <tr> <th>eVmataP(r)</th> <th>Pvc(s)</th> <th>θ^c (tivWqyb)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>[කිවුත්පනය න්‍යුත්පනය න්‍යුත්පනය න්‍යුත්පනය]</p> <ul style="list-style-type: none"> mgvarb tji vi Ae wib PZFM Dc vcb 	eVmataP(r)	Pvc(s)	θ ^c (tivWqyb)													<ul style="list-style-type: none"> QK ciYi mWkZv 	<ul style="list-style-type: none"> තිව්‍යුත්පනය සාර්ථක ප්‍රතිචාර මෙහෙයුම් න්‍යුත්පනය mgvarb tKvYi mgvarb j y iLtz nte thb mgvarb tKvYi gvb (θ) thb mvivY eenvi bv KitZ nq, A_P θ Gi gvb 0, $\frac{\pi}{6}$, $\frac{\pi}{4}$, $\frac{\pi}{3}$, $\frac{\pi}{2}$ hV Zv tKvB wZK Ks 2π Gi gta vK KvY KitYi eenvi KitZ nq, Ggb mgm v thgb Sin θ = $\frac{3}{4}$ ntj KZ ?
eVmataP(r)	Pvc(s)	θ ^c (tivWqyb)																	

beg Aa^vq : mPKxq | j Mwi^vgqx dvskb (12 nciqW)

nkLbdj	nelqe ^v	nkLb-tkLvtbv nbt` Rbv	gj ^v qb nbt` Rbv	netkl tj LK nbt` Rbv
epxeEq				
1. gj ^v mPK Agj ^v mPK e ^v L ^v Ki ^v Z cvite	• gj ^v Agj ^v mPK	• D ^v nitYi mnvth ^v gj ^v mPK Agj ^v mP ^v Ki e ^v L ^v , c ^v Y c ^v qM Dc ^v cb	• gj ^v Agj ^v mPK iP ^v ZKiY	• gj ^v Gi e ^v L ^v _vKte
2. gj ^v Agj ^v mP ^v Ki Rb ^v w ^v f ^v bom ^v c ^v Y c ^v qM Ki ^v Z cvite	• mPK m ^v uKZ w ^v f ^v b ^v m ^v (gj ^v Agj ^v mP ^v Ki Rb ^v)	• $2^1 = 2, \log_2 2 = 1$ • $2^2 = 4, \log_2 4 = 2$ • $2^3 = 8, \log_2 8 = 3$ • $2^4 = 16, \log_2 16 = 4$ GBfite y = a^x Ges x = $\log_a y$ Gi Dc ^v cb	QK c ^v Y :	• gj ^v fMsk mPK Ges Agj ^v mPK D ^v n Ym ^v e ^v D ^v _vKte
3. mPK j Mwi ^v tgi cvi ^v K m ^v uR e ^v L ^v Ki ^v Z cvite	• j Mwi ^v g o y=a ^x , x=log _a y o j Mwi ^v tgi m ^v w ^v j	GBfite y = a^x Ges x = $\log_a y$ Gi Dc ^v cb	• $3^1 = 3 \quad \log_3 3$ $3^2 = 9 \quad \log_3 9$	• gj ^v abvZK c ^v [®] m ^v uL ^v K mPK abvZK c ^v [®] m ^v uL ^v K mPK Gi D ^v n Ym ^v e ^v D ^v _vKte
4. j Mwi ^v tgi w ^v f ^v bom ^v c ^v Y c ^v qM Ki ^v Z cvite				• c ^v Zj #Mi (antilog) ne ^v mi Z e ^v L ^v _vKte
5. j Mwi ^v tgi wf ^v E c ^v ieZ ^v Ki ^v Z cvite		• D ^v nitYi gra ^v g j Mwi ^v tgi wf ^v E c ^v ieZ ^v bi A ^v tj vPbv	• tk ^v Y A ^v f ^v y	• j ^v Mi wf ^v E c ^v ieZ ^v bi m ^v l i c ^v Y D ^v n Y _vKte
6. mPKxq , j Mwi ^v gqx I c ^v ggvb dvskb ^v bi avi Yv e ^v L ^v Ki ^v Z cvite Ges mnR MwY ^v ZK mgm ^v mgvavb Ki ^v Z cvite	• mPKxq , j Mwi ^v gqx I c ^v ggvb dvskb	thgb- $\log \frac{4}{3} = \frac{\log_{10} 4}{\log_{10} 3} = \log_{10} 4 \times \log_3 10$ • mPKxq, j Mwi ^v gqx I c ^v ggvb dvskb ^v bi e ^v L ^v Ges MwY ^v ZK mgm ^v mgvavb Gt ^v i e ^v en ^v i A ^v tj vPbv	• GZ ^v m ^v uKZ MwY ^v ZK mgm ^v mgvavb ^v m ^v VZv	
gtv^vcikR				
7. mPKxq, j Mwi ^v gqx I c ^v ggvb dvskb mgm ^v K t ^v L ^v P ^v i mnvth ^v Dc ^v cb Ki ^v Z cvite	• dvskbmgm ^v n ^v t ^v L ^v P ^v	• $2^x, e^x, \log x (\log_{10} x), \ln x, \log_e x, x $ Ges $ x - 1 $ RvZiq disk ^v bi t ^v L ^v P ^v A ^v tb	• tj L ^v P ^v A ^v tb h _v Zv	• tWtgb I tiÄmn mPKxq, j Mwi ^v gqx I c ^v ggvb dvskb ^v bi msAv, t ^v L ^v P ^v , D ^v n Y i c ^v qM _vKte
8. K ^v j K ^v t ^v U ^v i mnvth ^v j M I c ^v Zj M ^v bY ^v Ki ^v Z cvite		• tcv ^v vi/gw ^v gWqv BZ ^v t ^v Dch ^v ne ^v tq Dc ^v cb		• K ^v j K ^v t ^v U ^v i mnvth ^v j M I c ^v Zj M ^v bY ^v Kiv
AvtelMq				
9. dvskbmgm ^v n ^v t ^v L ^v P ^v A ^v tb AvM ^v bx n ^v e	• K ^v j K ^v t ^v U ^v i mnvth ^v j M I c ^v Zj M ^v bY ^v Kiv	• w ^v yK ntZ Kj t ^v K ^v j K ^v t ^v U ^v i e ^v envi ne ^v t ^v L ^v eb		• K ^v j K ^v t ^v U ^v i mnvth ^v j M I c ^v Zj M ^v bY ^v Kivi Kih ^v ig A ^v sf ^v _vKte

‘kg Aa^vq : wC`x we⁻iz

(07 wci^vqW)

wLbdj	we ^v qe ⁻	wLb-tkLvtbv wbt` Rbv	gj ^v qb wbt` Rbv	we ^v kl tj LK wbt` Rbv
epxeEq 1. wC`x we ⁻ iz eYb Ki‡Z cvi‡e 2. c ^v m‡Kj w [†] fR MVb Ki‡Z cvi‡e 3. ^fweK msL ^v i N‡Zi Rb ^v wC`x we ⁻ iz eYb Ki‡Z cvi‡e 4. n! I ^C _r Gi gvb wY ^v Ki‡Z cvi‡e 5. wC`x we ⁻ iz e ^v envi K‡i MwY ^v ZK mgm ^v mgvavb Ki‡Z cvi‡e	<ul style="list-style-type: none"> • wC`x we⁻iz • c^vm‡Kj w[†]fR MVb • mvavi Y N‡Zi Rb^v wC`x we⁻iz • n! I ^C_r Gi gvb • MwY^vZK mgm^v mgvavb 	<ul style="list-style-type: none"> • (a + b)⁰, (a + b)¹, (a + b)² Ges (a + b)³ Gi we⁻iz K‡i mnM_‡j vi gva^vg c^vm‡Kj w[†]fR MVb GKBfvte cieZx^vvi we⁻vi i Avtj vPbv • D^vn‡Yi gva^vg n! I ^C_r Gi gvb wY^vqi e^vL^v • MwY^vZK mgm^v mgvavb wC`x we⁻iz e^venvi i Avtj vPbv 	<ul style="list-style-type: none"> • c^vm‡K‡j i w[†]fR m‡i i mvnvth^v wC`x we⁻vi i mnM_‡wY^vqi mygZv • gvb wY^vqi m^vKZv • mgvavb^v m^vKZv 	<ul style="list-style-type: none"> • wC`x we⁻iz eYb _vK‡e • c^vm‡Kj w[†]fR MVb e^vL^v _vK‡e • mvavi Y N‡Zi Rb^v wC`x we⁻iz eYb _vK‡e (n≤8) • n! I ^C_r Gi gvb wY^v _vK‡e n ^fweK msL^v (n≤8)

GKr` k Aa"vq : "vbu% R"ngwZ (12 vcmi qW)

ikLbdj	weIqe^-'	ikLb-tkLvtbv ibt` Rbv	gj "vqb ibt` Rbv	weIkI tj LK ibt` Rbv												
epx eEq 1. mgZtj KvZBxq "vbu% i avi Yv e"vLv Ki"Z cvite 2. `Bil we`j ga"eZx^+Zi vbYq Ki"Z cvite 3. mij tiLvi Xvij i avi Yv e"vLv Ki"Z cvite	<ul style="list-style-type: none"> mgZtj KvZBxq "vbu% `Bil we`j ga"eZx^+Zi mij tiLvi Xvij i avi Yv 	<ul style="list-style-type: none"> D`vnitYi mnvth mgZtj thgb tUej, e"KteWq! KvM"Ri Dci ci"ui `Bil j"oj m"ti Lv tUtb A"y I PZPvtMi avi Yv Ges we"fbæ PZPvtM we`jvZb M"dtccvti /M"dtewWp mnvth mgZtj thtKvbtv `Bil we`j `+ZtK GKnU mg"KvYx f"Ri AvZfR mnmitv we"pbv Kti Gi %N"vbYq GKK KrR: QK c"Y 	<ul style="list-style-type: none"> M"dt cWZz we`yt_tK A"ymn fR I tKmU P"yZ Kivi mygZv we"fbPZPvtM we`jvZtbi m"VKZv we`ycvZtbi h_v_Zv M"dtccvti mg"KvYx f"R A"tbi h_v_Zv we`y`Bil we`j Zj vbYq m"VKZv <p>QK vbYq :</p> <table border="1"> <thead> <tr> <th>(x₁, y₁)</th><th>(x₂, y₂)</th><th>X_{ij}</th></tr> </thead> <tbody> <tr> <td>(2,1)</td><td>(2,3)</td><td></td></tr> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </tbody> </table>	(x ₁ , y ₁)	(x ₂ , y ₂)	X _{ij}	(2,1)	(2,3)								<ul style="list-style-type: none"> mgZtj we`j Ae"ib vbYq tKsk"j i eYDv _vKte `Bil we`j ga"eZx^+Zi vbYq m"VKte `Bil we`j ms"huM tiLv Xvij vbYq m"VKte `Bil we`j ms"huM M"vZ mij tiLvi mg"KvY i mg"KvY t_tK Xvij i tQ`K vbYq _vKte
(x ₁ , y ₁)	(x ₂ , y ₂)	X _{ij}														
(2,1)	(2,3)															
		<ul style="list-style-type: none"> ev"et"y"t Xvij i avi Yv- thgb iv"li Xvij , utbi Ptj i Xvij , c"Ki cvto i Xvij , iv"cvti i Xvij , m"oi Xvij BZ"wi i mnvth Xvij i avi Yv e"vLv Xvij vbYq <ul style="list-style-type: none"> Dj" K `+Zj Avbf"ngK `+Zj gva"tg Xvij = Dv(rise)/m"v(run) Xvij = tanθ = $\frac{y_2 - y_1}{x_2 - x_1}$ 														

GKv` k Aa`vq : ՝ մ բ վ կ Ռ ա ց ւ Զ (12 ս շ ն կ ա վ)

Pj gvb 2

Ակլեջ	ա է լ զ ե ՞	Ակլե- է կ լ ւ թ ե ր մ բ է Ռ ե ր	գ յ ՝ վ զ ե մ բ է Ռ ե ր	ա է կ լ է տ յ Լ Կ մ բ է Ռ ե ր
4. $mij \neq i Lvi mgxKiY \neq Y$ Ki $\neq Z$ crite		<ul style="list-style-type: none"> • $gj \neq Mgx mij \neq i Lvi mgxKiY y = mx$ AvK$\neq i$ c$\neq k$ Ges $y = mx + c$ $mgxKiY \neq Y$ q$\neq i$ Av$\neq j$ Pbv 	<ul style="list-style-type: none"> • $Xij \neq Y$ q$\neq i$ h$\neq y$ Zv 	<ul style="list-style-type: none"> • $ԱZb\neq U$ we`j m$\neq n$ th$\neq M$ Z $\neq f\neq R$ i t$\neq \hat{y}$ d$\neq j$ \neq Y\neq q$\neq i$ Rb, t$\neq \hat{y}$ d$\neq j$ = $\sqrt{s(s-a)(s-b)(s-c)}$ m\neq Øiv v gvb \neq Y\neq _Kte
5. ՝ մ բ վ կ ի ց ա ց է մ ֆ է Ռ i t $\neq \hat{y}$ d $\neq j$ \neq Y \neq Ki $\neq Z$ crite		<ul style="list-style-type: none"> • $\neq fR \neq PZf\neq R$ i t$\neq \hat{y}$ d$\neq j$ 	<ul style="list-style-type: none"> • $\neq fR \neq PZf\neq R$ i t$\neq \hat{y}$ d$\neq j$ (2,2),(4,3),(5,5),(3,7) I (-1,5) we`y$\neq j$ \neq K mgZ$\neq j$ c$\neq Zb$ K$\neq i$ Drcb\neq R\neq ZK t$\neq \hat{y}$ i t$\neq \hat{y}$ d$\neq j$ 	<ul style="list-style-type: none"> • $A\neq bi$ h$\neq y$ Zv Ges t$\neq \hat{y}$ d$\neq j$ \neq Y\neq q$\neq i$ m\neq KZv
6. ը ւ մ ՝ Ն մ բ յ պ ի ց ա ց է մ ֆ է Ռ մ ֆ է Ռ ի ց ա ց է մ ֆ է Ռ i t $\neq \hat{y}$ d $\neq j$ \neq Y \neq Ki $\neq Z$ crite	<ul style="list-style-type: none"> • $\neq fR \neq PZf\neq R$ i t$\neq \hat{y}$ d$\neq j$ 	<ul style="list-style-type: none"> • $\neq fR \neq PZf\neq R$ A$\neq b$ 	<ul style="list-style-type: none"> • $mgxKi\neq Y y=0$ emtq x A$\neq y$ i Dci t$\neq K$ t$\neq b$ we`y$\neq b$ t$\neq q$ Ges x=0 emtq Y A$\neq y$ i Dci we`y$\neq b$ t$\neq q$ Ges we`q th$\neq M$ K$\neq i$ t$\neq j$ L$\neq p$ mij $\neq i$ L$\neq u$ K t$\neq L$ t$\neq b$ 	<ul style="list-style-type: none"> • $A\neq bi$ h$\neq y$ Zv
ց ե ւ է ւ կ Բ				
7. we`yciZ \neq bi ց ա ց է մ ֆ է Ռ i PZf \neq R ms \neq vsl R \neq ZK A \neq b Ki $\neq Z$ crite				
8. mij $\neq i$ Lvi mgxKiY t $\neq j$ L $\neq p$ \neq Dc \neq vcb Ki $\neq Z$ crite	<ul style="list-style-type: none"> • mij $\neq i$ Lvi t$\neq j$ L$\neq p$$\neq$ 			

Øv` k Aa"vq : tf±i (10 vcmiqW)

ikLbdj	weIqe~'	ikLb-tkLv`bv nbt`Rbv	gj~vqb nbt`Rbv	weIkl tj LK nbt`Rbv
epeExq				
1. t-j vi iwk I tf±i iwk eYDv KitZ cvte	• t-j vi iwk I tf±i iwk	• chB D`vniYi mnvfh, thgb-Ktk Qvft` i msL`v MYbv Kti th mKj iwk_tj v cvl qv tMj Zv t-j vi Ges Ktk iag t_k Ctb wkytKi ig chS` iZj mvt_w K hB _vKiq H `iZjibt`RK iwk ntj v mi Y hv GKU tfKUI GKBfite Zvcgvv, mgq, fi BZ`w` t-j vi iwk Ges teM, ZjY, I Rb BZ`w` tf±i iwk mnvfe Dc`vcb	• t-j vi I tf±i wPyZKiY	• t-j vi iwk I tf±i iwk eYDv I cZxKj Ki mnvfh e`vL`v _vKte
2. t-j vi iwk I tf±i iwk cZxKj Ki mnvfh e`vL`v KitZ cvte				
3. mgvb tf±i, weciXZ tf±i I Ae`vbt`f±i e`vL`v KitZ cvte	• mgvb tf±i, weciXZ tf±i I Ae`vbt`f±i	• wP` I D`vniYi mnvfh mgvb tf±i, wecixZ tf±i I Ae`vbt`f±i e`vL`v	• wP` i mnvfh mgvb tf±i, weciXZ tf±i I Ae`vbt`f±i	• wP` I D`vniYi mnvfh mgvb tf±i, weciXZ tf±i I Ae`vbt`f±i e`vL`v _vKte
4. tf±ii thM I thM e`vL`v KitZ cvte	• tf±i thM I thM e`vL`v	• tKt bv tf±i u tK i Ges j Gi gva`tg cKvk thgb- u=a+i + b+j	• Ae`vbt`f±i wbyq mygZv	• wP` i mnvfh tf±i thM I thM amgq (weibqq weia, ms thM weia) e`vL`v _vKte
5. tf±ii weqyM e`vL`v KitZ cvte		• mgvShi K I w fR mft`i mnvfh thM I thM weia e`vL`v Ges D`vniYi mnvfh Avt`vPbv	• thM weia cQqMi mygZv	
6. tf±ii t-j vi ,wZK I GKK tf±i e`vL`v KitZ cvte	• tf±ii t-j vi ,wZK I GKK tf±i	• t-j vi ,wZK gj` msL`v (kb, aYvZK, FYvZK I fMsK) Øviv ,Ymgv wP` i mnvfh Dc`vcb	• t-j vi ,YtK wP` Dc`vcb Kivi mygZv	• tf±ii t-j vi ,wZK, e`vL`v I GKK tf±ii e`vL`v _vKte
7. tf±ii t-j vi ,wZK I e`vL`v KitZ cvte				
8. tf±ii mnvfh wefbœ R`wgyZK mgm vi mgavb KitZ cvte	• wefbœ R`wgyZK mgm vi			• tf±ii mnvfh thb wefbœ R`wgyZK mgm vi mgavb KitZ cvte tmRb cQqRbxq KvhPg _vKte

Ítqv` k Aavq : Nb R̄wgiZ (14 wciqW)

íkLbdj	welqe-	íkLb-ťkLvtbv wbť Rbv	gj wqb wbť Rbv	wetkl tj LK wbť Rbv
eþeEaq				
1. Nbe-í cŁxKxq wP̄ A½b Ki‡Z cvi‡e	<ul style="list-style-type: none"> • Nb R̄wgiZi tgšij K avi Yv • AvqZKvi Nbe-í NbK 	<ul style="list-style-type: none"> • wewfbNbe-í bgþv cōkō Kti wkyv_xp i _Ye-í mv‡_cwíwPZ Kiv Ges Zv‡ i cŁxK wP̄ A½‡bi mvnvh̄ Avtj vPbv 	<ul style="list-style-type: none"> • Nbe-í wkyZKiY bgþv wP̄ A½‡b mÿgZv 	<ul style="list-style-type: none"> • Nbe-í cŁxKxq wP̄ A½‡bi tKškj _vKte
2. wčRg, wciwigW AvKuZi e-í tMj K I mgeEfügK tKvY‡Ki AvqZb Ges cōZtj i tÿ†dj wþYq Ki‡Z cvi‡e	<ul style="list-style-type: none"> • wčRg, wciwigW, tMj K, I mgeEfügK tKvY‡Ki AvqZb Ges cōZtj i tÿ†dj 	<ul style="list-style-type: none"> • KvMR I KKx‡Ui mvnvh̄ Nbe-í Zvi Kti tm,tj vi tÿ†dj AvqZb wþY‡qi Avtj vPbv 	<ul style="list-style-type: none"> • Nbe-í tÿ†dj AvqZb wþY‡Ki‡Yi mWkZv 	
3. Nb R̄wgiZi avi Yv cōqM Kti mgm v mgvavb Ki‡Z cv‡e	<ul style="list-style-type: none"> • ev-é mgm v 	<ul style="list-style-type: none"> • ev-é tÿ†Nb R̄wgiZi cōqM Kti wewfbomgm v mgvavb Avtj vPbv 	<ul style="list-style-type: none"> • mgm v mgvavb mWkZv 	<ul style="list-style-type: none"> • ev-é D`vnjY I wP†i mvnvh̄ wčRg, wciwigW AvKuZi e-Zi, mgeEfügK tKvYK I tMj ‡Ki tÿ†dj Ges AvqZb wþY‡qi tKškj _vKte
gtbvtcukR				
4. thšMK Nbe-í AvqZb Ges cōZtj i tÿ†dj cwígvc Ki‡Z cvi‡e	<ul style="list-style-type: none"> • thšMK Nbe-í AvqZb Ges cōZtj i tÿ†dj cwígvc 	<ul style="list-style-type: none"> • `BjU e-í mvnvh̄ Aci GKU Nbe-í `Zvi Kti Gi AvqZb I cōZtj i tÿ†dj wþY‡qi Avtj vPbv: thgb- `i Rvi Dcti i Ask Aa‡Mj vKvi Ges ewK Ask AvqZKvi 	<ul style="list-style-type: none"> • thšMK Nbe-í AvqZb I cōZtj i tÿ†dj wþY‡Ki‡Yi mWkZv 	<ul style="list-style-type: none"> • thšMK Nbe-í AvqZb I cōZtj i tÿ†dj wþY‡Ki‡Yi mWkZv
5. Nb R̄wgiZi avi Yv e-enwi K tÿ†cōqM Ki‡Z cvi‡e		<ul style="list-style-type: none"> o tcbimj , tgigewZ, tKvb AvKuZi Nbe-í cōZtj i tÿ†dj AvqZb cwígvc o mÿg KtPi terZj hvi wb‡Pi fwm wmj Úvi vKuZ I Dcti i fwm tKvYvKuZ Gi AvqZb cwígvc o GKU KvRbi Dci GKU djej ti‡L Gi dikv Astki AvqZb cwígvc 	<ul style="list-style-type: none"> • AvqZb wþY‡Ki‡Yi mWkZv 	<ul style="list-style-type: none"> • wkyv_xp thb n‡Z-Kj tg wčRg, wciwigW AvKuZi e-Zi mgeEfügK tKvYK I tMj ‡Ki tÿ†dj Ges AvqZb wþY‡Ki‡Z cvi Zvi cōqRbqg Kvhpig Ašfp _vKte

PZì R Aa'vq : mætebv (08 vcn iqW)

ikLbdj	velqe-	ikLb-tkLvtbv vt` Rbv	gj vqb vt` Rbv	vetkl tj LK vt` Rbv
<p>ep`eEq</p> <ol style="list-style-type: none"> mætebvi avi Yv e"vL"v Ki"Z cvite ‰bw` b newfbøD`vni"Yi mvnvh" wbwøZ NUbv, Amøe NUbv mæ" NUbv eYøv Ki"Z cvite GKB NUbv cþive" NU"j mæ" dj vdj wbYø Ki"Z cvite GKB NUbv cþive" NU"j mætebvi wbYø Ki"Z cvite 	<ul style="list-style-type: none"> mætebvi I Gi e"envi <ul style="list-style-type: none"> mætebvi avi Yv wbøZ NUbv, Amøe NUbv, mæ" NUbv GKB NUbv Aba"® wZbevi cþive" NU"j dj vdj wbYø (gj" I Q" vi mvnvh") mnR I ev"enfiEK mgm"vi mgvarb 	<ul style="list-style-type: none"> cñZ" bi Avenvl qv evZø, tLj vq nvi wRøZ i mvnvh" mætebvi avi Yv Dcövcb møhø q, mhø" I w bi wZ" i mvnvh" wbwøZ NUbv Amøe NUbv e"vL"v cøvb j wi Q" vi mvnvh" mæ" NUbv Dc"vcb GKB NUbv Aba"® wZbevi cþive" NU"j mæ" dj vdj gj" wbty"ci mvnvh" Probability Tree MV"bi gva"tg Dc"vcb Probability Tree 	<ul style="list-style-type: none"> tgnLKfvte e"vL"v cñvbi mwKZv mwKfvte newfbøNUbv mbv"KiY 	<ul style="list-style-type: none"> D"vnitYi mvnvh" mætebvi avi Yv eYøv _Kte ‰bw` b newfbøD`vni"Yi mvnvh" wbwøZ NUbv, Amøe NUbv I mæ" NUbv eYøv _Kte gj" I Q" vi mvnvh" GKB NUbv Aba"® wZbevi cþive" NU"j mæ" dj vdj I mætebvi wbYøqi eYøv _Kte

PZì R Aa vq : mætebv (08 vcmiqW)

ikLbdj	we lqe -'	ikLb-tkLvtbv wb t` Rbv	gj vqb wb t` Rbv	we kI tj LK wb t` Rbv																					
5. mætebvi mnR I ev-éwfi EK mgn vi mgvavb KitZ cvit e	o mnR I ev-éwfi EK mgn vi mgvavb	<p>GKK KvR Dc t i Probability Tree Gi mnvth wb tPi QKU ci Y</p> <table border="1"> <tr> <td>gj i wb tyc</td><td>mKj mæte dj vdj</td><td>mætebv</td></tr> <tr> <td>GKvi</td><td></td><td>P[T] =</td></tr> <tr> <td>gj i wb tyc</td><td></td><td>P[HT] =</td></tr> <tr> <td> `Beri</td><td></td><td>P[HHT] =</td></tr> <tr> <td>gj i wb tyc</td><td></td><td></td></tr> <tr> <td>wZbevi</td><td></td><td></td></tr> <tr> <td>gj i wb tyc</td><td></td><td></td></tr> </table> <p>gj i I Q° vi mnvth GKB NUbvi Aba Ÿc wZbevi cþive E NUtj mæte dj vdj I mætebv wb Yq Kit e Ges GtK Ac t i LvZv gj vqb Kit e</p>	gj i wb tyc	mKj mæte dj vdj	mætebv	GKvi		P[T] =	gj i wb tyc		P[HT] =	`Beri		P[HHT] =	gj i wb tyc			wZbevi			gj i wb tyc			<ul style="list-style-type: none"> • mæte dj vdj wb Yq i mW KZv • mætebv wb Yq i wb f P Zv 	
gj i wb tyc	mKj mæte dj vdj	mætebv																							
GKvi		P[T] =																							
gj i wb tyc		P[HT] =																							
`Beri		P[HHT] =																							
gj i wb tyc																									
wZbevi																									
gj i wb tyc																									

5. tj LK mb‡` Rbv

beg-`kg tk̄xi D'PZi M̄YZ weIqJU Rb 100 b‡` eiv̄ iLv ntq‡Q| m̄B̄t̄n 3 n̄ K‡i 2 eQ‡i tḡU 216 n̄ w̄wi qW eiv̄ iLv ntq‡Q| c̄ZJU w̄wi q‡Wi mgq 50w̄giU| D'PZi M̄YZ weIqJU tḡi w̄kyiµtg w̄kLbdj Ges weIqe` Ggbf̄te c̄Yqb Kiv ntq‡Q thb eiv̄ KZ w̄wi q‡W w̄kyi_xP me, tj v w̄kLbdj ARB Ki‡Z c‡i | D'PZi M̄YZ weIqJU beg-`kg tk̄xi weAvb kvLvi w̄kyi_x`i Rb GKJU `bevPbK weIq| D'PZi M̄YZ weIq GKJU cWc̄y‡Ki m̄cwik Kiv ntq‡Q| cWc̄y‡Ki m̄cwii KKZ c̄vmsLv ntj v (300±20)c̄v|

cWc̄y K iPbvi t̄y‡`i w̄baj w̄LZ weIqmgtni c̄Z m̄etkl , iazjw‡Z n̄te-

- w̄kyiK‡g eiv̄YZ mgm v @ w̄kLbdj Ges w̄kLb-t‡kLvtb w̄b‡` Rbv weIqePbq ti‡L weIqe` Dc`vcb Ki‡Z n̄te|
- c̄h̄R t̄y‡`i Aa@`e ch‡q weIqe` Dc`vcb Ki‡Z n̄te| Dc`vcb iWZ n̄te mnR t‡K Kvib, Rvbv t‡K ARvbv | gZ‡t‡K wegZ‡ weIqe` Dc`vcb avivewnKZv eRiq iL‡Z n̄te Ges w̄kyi_xP i eqm, gbw̄mK cwi cKzv | aviY ýgZv DcthMx K‡i mnR | Pij Z fvlvq ij L‡Z n̄te|
- weIqe` Dc`vcb c̄h̄R D`vnY eenvi Ki‡Z n̄te| c̄Z Aa@`q c̄m‡K | Rxebf̄iEK D`vnY cWc̄y‡K ms̄hvRb Ki‡Z n̄te| Abkjx bx‡Z Dc`wcZ mgm`mgm PPPQovl w̄kyi_xP w̄ši | aviYi thb weKvk N‡U tm‡`K tLqyj iL‡Z n̄te| Dc`wcZ D`vnY | Abkjx bxi KvRmgm w̄kyi_xP i ^b`b Rxetbi Ges AñRZ AñfÁZv i m‡_Aek`B m̄dKb‡` n‡Z n̄te|
- AñteMq w̄kLbdj AR‡bi Rb weIqe` Dc`vcb ev`bñf̄iEK mgm v | KgRv ms̄hvRb Ki‡Z n̄te|
- weIqe`i Dc`vcb KgRvñf̄iEK n‡Z n̄te| Dc`wcZ weIqe` AñK1Pq | Avb` `vqK Kivi Dci , iazjcovb Ki‡Z n̄te, h‡Z M̄YZ w̄kyi c̄Z w̄kyi_xP i Añbnv | fñZ `i nq|
- Aa@`q tk‡l c̄h̄R t̄y‡`i eenvi‡Ki Rb Kvhpqg ms̄hvRb Ki‡Z n̄te|
- w̄kLbdj AR‡bi Rb ch‡B Abkjx bx‡Z n̄te Ges Abkjx bx‡Z mRbkxj c̄k‡ ms̄hvRb Ki‡Z n̄te|
- w̄kyi_xP ejxeE`q weKvk mnvqK mgm v ms̄hvRb Ki‡Z n̄te| w̄ky‡Ki b-bZg mnvqZvq h‡Z w̄kyi_xP weIqe` AñqE Ki‡Z c‡i th‡`K Zxýè`wo w‡Z n̄te|
- weIqe`i qñf̄iEK gj `vq‡bi DcthMx KgRvñf̄iEK weIqe` (activity based content) cWc̄y‡K ms̄hvRb Ki‡Z n̄te|
- weIqe` Dc`vcb tRÜvi mgZv (gender equity) iÿv Ki‡Z n̄te|
- weIqe` Dc`vcb %wZK gj tñfai ciwicši | agq AbfñZ‡Z AñvZ n‡b Ggb weIq ciwini Ki‡Z n̄te|



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ৬৯-৭০, মতিঝিল বাণিজ্যিক এলাকা, ঢাকা-১০০০