

জাতীয় শিক্ষাক্রম ২০১২

কর্ম ও জীবনমুখী শিক্ষা

ষষ্ঠ-অষ্টম শ্রেণি

তথ্য ও যোগাযোগ প্রযুক্তি

ষষ্ঠ-দশম শ্রেণি

ক্যারিয়ার শিক্ষা

নবম-দশম শ্রেণি



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড

জাতীয় শিক্ষাক্রম ২০১২

কর্ম ও জীবনমুখী শিক্ষা

ষষ্ঠ-অষ্টম শ্রেণি

তথ্য ও যোগাযোগ প্রযুক্তি

ষষ্ঠ-দশম শ্রেণি

ক্যারিয়ার শিক্ষা

নবম-দশম শ্রেণি

জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড

জাতীয় শিক্ষাপ্রথম ২০১২

উন্নয়ন ও তত্ত্বাবধান



জাতীয় শিক্ষাপ্রথম ও পাঠ্যপুস্তক বোর্ড

৬৯-৭০ মতিঝিল বাণিজ্যিক এলাকা, ঢাকা ১০০০।

আর্থিক ও কারিগরি সহযোগিতা



সেক্টোরি এডুকেশন সেক্টর ডেভেলপমেন্ট প্রজেক্ট

মাধ্যমিক ও উচ্চশিক্ষা অধিদপ্তর, শিক্ষাভবন, ঢাকা ১০০০।

প্রকাশকাল
ডিসেম্বর ২০১২

মুদ্রণ : নাহিদ এত. প্রেস প্রিন্টিং, ৯৯৩/৯৯৪ নয়াপল্টন, মতিঝিল, ঢাকা- ১০০০

জাতীয় শিক্ষাপ্রথম ২০১২

gjeÜ

w`b e`tj i A/2xKvi c`fY Ges 2021 mvtj i gta` evsj vt`k`k GKwU ga`g Avtqi t`tk cwiYZ Kivi c`vb Dcvq `y` Rbkw³ `Zwi Kiv| wkyvi gra`tg Zv m`e weavq miKvi gvb m`ubwkyv wbowZ Kivi j`ty` me`ntj i woku MhYthvM` GK hMvSKvix wkyvbmZ c`vqb Kti | RvZiq wkyvbmZ 2010 ev`evq`bi me`wAK , iazcY`c`tyc n`o G wkyvbmZ Abjmti t`tki wkyve`e`vi , yMZ cwieZB mvab | G t`c`y`Z RvZiq wkyvymg I cw`cy`K tewW`c`Pwj Z wkyvymg Dbq`bi D`vM MhY Kti |

wkyvymg Dbq`b GKwU Pj gvb c`m`qv | iv`o`q `k`B I Av`k`BwZnm I ms`wZ, mgKvj xb Rxe`bi Pwn`v, we`Avb I c`hy³ BZ`w` ty`t` Avb I `y`Zv AR`bi avivemKZv eRvq ivL`tZ wkyvymg cwi gvrB I Dbq`b Kti wkyv e`e`vq MvZ m`Avi Ki`Z nq | gra`wgK `t`ii c`Pwj Z wkyvymg 1995 mvtj c`vXZ nq | G `xN`mg`q RvZiq Rxe`bi wef`b`w`ty` Ges Avb- we`Av`bi RM`Z e`vcK cwieZB mmaZ ntj I wkyvymg Dbq`b bv nI qvq Gi c`Z`dj b Avgt` i wkyv e`e`vq Avtm w | ZvB wkyvymg Dbq`b mg`qi `we |

RvZiq wkyvbmZ 2010 Gi w`f`E`Z wkyvymtgi ifctiLv c`vqb Kiv nq | wkyvymg ifctiLv PevSKi`Yi j`ty` t`tki c`Z`hkv wkyve` , ep`x`R`ex I Ab`v`b DcKvi`f`vM`d` i mg`stq GKwU RvZiq KgR`vj vi AvtqvRb Kiv nq | G KgR`vj vq c`B gZvqZ I m`cwi`tki Avtj vtK Ges c`Q`vRbxq mstkvab mvtcty` RvZiq wkyvymg mg`stq KvgwU (Gbmimmm) KZR wkyvymg ifctiLv Abtgv` Z nq | wkyvymtgi Abtgv` Z ifctiLv Abhvq wkyvymg Dbq`b c`m`qv i wef`b`w`e`v`c Abjmi Y Kti I o` t`tk Aog tk`v`i 17w Ges beg I `kg tk`v`i 27w vel`qi wkyvymg Dbq`b Kiv ntq`Q | wkyvymg Dbq`bi Rb` we`l`q`r`w`E`K KvgwU MvB Kiv nq | G mKj KvgwU`Z we`l`q we`k`I`A, wky`K c`k`y`K, tk`v`wky`K I wkyvymg we`k`I`AMy KvR Kti`Qb |

m`v`u`w`ZK Kvtj i AtbK , iazcY`q`el`q I we`l`q`e` , thgb: Z` I thvM`thvM c`hy³, Kg`I Rxe`b`g`x wkyv, K`wi`qi wkyv, Rj evqvcw`e`ZB I Avgt` i KiYq, eqtmU`Kvj I c`R`bb `v` , bvx Dbq`b bwmZg`v BZ`w` wkyvymtgi Ašif`P` Kiv Kiv ntq`Q | cwi gvrB wkyvymtgi tPZ`vi gta` avi Y Kiv ntq`Q gnvb g`y`h`x`i t`c`v`v, Av`k`I gj`teva | w`L`b`-t`k`L`v`b`v` Kvh`p`g I avivemK gj`v`q`bi ty`t`I cwieZB Avb`v` ntq`Q | g`v` Kivi cwieZ`Q`Kti t`k`L`vi Dci t`Rvi t`l`q`v` ntq`Q | m`R`bk`j` Zv we`K`v`ki c`v`k`v`m`k wkyv`x` i `b`w`ZK gj`teva, mZZv, t`k`c`g` I t`b`Z`Z`j` , Yvej AR`bi Dci , iaz`y`t`i`v`c Kiv ntq`Q | mte`c`wi G `t`ii wkyv`K Rxe`bi c`ek` v`i wnm`te we`te`P`v` Kti KgR`x`e`b` c`e`k` c`Q`v`R`bx`q` thvM`Zv AR`bi Dc`thvM`x` Kti wkyvymg Dbq`bi c`v`m` Pvj v`b`v` ntq`Q |

tmtK`U`wi GW`k`K`b` t`m`±i t`W`f`j` c`t`g`U c`R`± wkyvymg Dbq`b Aw`R` I Kwii Mvi m`n`thvM`Zv c`v`b` Kivq c`K`i KZ`e`y`t`K ab`ev` Rvbw`Q | wkyvymg Dbq`b we`l`q`r`w`E`K wkyvymg Dbq`b KvgwU Ovov I Gbmimmm, c`d`k`b`j` KvgwU, t`U`k`v`K`v`j` KvgwU, t`f`u`S` KvgwU Ges mwe`R mg`stq KvgwU w`b`j` m`f`i`te KvR Kti`Qb | G mKj KvgwU`i mKj m`m`i`k` Rv`b`B Av`š`ii`K` KZ`Á`Zv |

Avkv KiwQ, Dbq`bKZ wkyvymg ev`evq`bi gra`tg t`tk Avb, we`Avb I c`hy³`t`Z `y`, GKB m`t`z` b`w`ZK gj`teva, RbM`Yi c`Z` k`v`k`j` I `v`q`e` Ges g`y`h`x`i tPZ`vq D`v`K` GK bZb c`R`b`M`to DV`te | G bZb c`R`b` t`tki Dbq`b I AM`M`w`Z`Z` Zirch`e`Y`Ae`v`b ivL`tZ m`y`g n`te etj Avkv KiwQ |

c`v`d`mi tgv`t`g`v`b`v` Kvgvj Dv`b`
tP`q`v`i`g`v`b`
RvZiq wkyvymg I cw`cy`K tewW`XvKv |

մԿԸ

Կ	Վերն	Ընդ
1.	ԿԸ	1
2.	ԿԸ	1
3.	ԿԸ Ընդ ԿԸ	1
4.	ԿԸ Ընդ ԿԸ ԿԸ	2
5.	ԿԸ Ընդ ԿԸ ԿԸ	2
6.	ԿԸ ԿԸ 2012 ԿԸ	7
7.	ԿԸ ԿԸ	7
8.	ԿԸ ԿԸ ԿԸ ԿԸ	10
9.	ԿԸ ԿԸ	15
10.	ԿԸ Ընդ ԿԸ	19
11.	ԿԸ ԿԸ ԿԸ ԿԸ	23
12.	ԿԸ ԿԸ ԿԸ ԿԸ	67
13.	ԿԸ ԿԸ ԿԸ	93

1. mPbv

1.1 hē_wPZ ce@wi Kí bv cŷqb Ges Gi mǝzev_levq̄tbi Dci wbfP K̄ti th̄tKv̄t̄bv Kvh̄p̄t̄gi mdj Zv| w̄K̄ŷv Kvh̄p̄t̄gi Gifc ce@wi Kí bvB w̄K̄ŷv| w̄K̄ŷv_ŷ i AvM̄b, c̄ŷZv, mvg_©, AwfÁZv I w̄K̄Lb Pwn`vi mvt_ Ges mgvR, t`k I AvSR̄ZK cwi w̄Z wetePbvq̄ t̄t̄L cŷxZ nq w̄b̄w̄̄ w̄K̄ŷv| t̄K, t̄Kb, Kx, w̄K̄f̄v̄te, Kvi m̄n̄th̄w̄M̄Zvq, Kx w̄ t̄q, t̄Kv_vq, KZ mgq āti w̄K̄L̄te Ges hv w̄K̄Lj w̄K̄f̄v̄te Zv hvPvB Kiv hv̄te Gme c̄k̄k̄e D̄Ēi w̄K̄ŷv_ŷ v̄t̄K| w̄K̄ŷv j̄ ŷ, D̄t̄i k̄, w̄K̄Lbdj, w̄elq̄e, w̄K̄Lb-t̄kL̄v̄t̄bv Kvh̄p̄g I ḡj`vq̄b w̄b̄t`Rbv-GmeB w̄K̄ŷv_ŷ c̄ŷZv` w̄elq̄| w̄K̄ŷv_ŷ w̄f̄w̄Ēt̄ZB cŷxZ nq cV`c̄j̄K I Ab`v̄b` w̄K̄Lb-t̄kL̄v̄t̄bv mvgM̄ Ges cwi Pw̄j Z nq w̄K̄Lb-t̄kL̄v̄t̄bv Kvh̄p̄g| Gme cŷq̄t̄bi w̄b̄t`Rbv| v̄t̄K w̄K̄ŷv_ŷ| w̄K̄ŷv_ŷ w̄K̄ŷv Kvh̄p̄g ev_levq̄t̄bi bxj -bK̄kv ej v n̄t̄q v̄t̄K|

1.2 w̄K̄ŷv_ŷ GKw̄ Pj gvb c̄ŷq̄v| G c̄ŷq̄vq̄ avivew̄N cwi ex̄ŷt̄ŷi gra`tg Pj gvb w̄K̄ŷv_ŷ mej Zv`_p̄j Zv I Dc̄th̄w̄M̄Zv w̄b̄ŷ̄q̄ Kiv nq| mḡt̄q̄i mvt_ mgv̄Ri cwi eZ̄b̄ NŪt̄Q, ZvOrov Avb-w̄eAvb I c̄ŷx̄ i `z̄ cwi eZ̄b̄ n̄t̄Q| Gm̄t̄ēi dt̄j w̄K̄Lb Pwn`v̄l cwi eZ̄Z̄ n̄t̄Q| G Rb` c̄ŷq̄Rbxq̄ cwi gv̄R̄b̄ I bevq̄t̄bi gra`tg w̄K̄ŷv_ŷ h̄t̄M̄c̄th̄w̄M̄ ivLv Avek`K| Avevi Ggb mgq Av̄tm̄ hLb c̄ŷi v̄t̄bv w̄K̄ŷv_ŷ cwi gv̄R̄b̄ K̄ti mḡt̄q̄i Pwn`v̄ c̄ŷY m̄ē nq bv, ZLb bZb w̄K̄ŷv_ŷ cŷq̄b Ki t̄Z nq| RvZxq̄ w̄K̄ŷv_ŷ ev_levq̄t̄bi Rb`I bZb w̄K̄ŷv_ŷ Db̄q̄b Ki t̄Z nq| G cwi t̄c̄ŷ̄t̄Z RvZxq̄ w̄K̄ŷv_ŷ 2012 cŷq̄t̄bi c`t̄ŷ̄c̄ M̄b̄Y Kiv n̄t̄q̄t̄Q|

2. w̄K̄ŷv_ŷ Db̄q̄t̄bi th̄ŷ̄K̄Zv

2.1 gra`w̄gK̄ t̄t̄i eZ̄ŷ̄b̄ w̄K̄ŷv_ŷ 1995 m̄t̄j cŷxZ| Gici `x̄N`mḡt̄q̄ RvZxq̄ I AvSR̄ZK cwi ḡĒt̄j mvgw̄RK, mis`w̄ZK, A_ŷw̄ZK I ivR̄ŷw̄ZK w̄ēw̄f̄b̄ēt̄ŷ̄t̄ w̄ēt̄k̄l K̄ti Avb-w̄eAvb, Z` I th̄w̄M̄th̄w̄M̄ c̄ŷx̄ i t̄ŷ̄t̄ e`v̄cK cwi eZ̄b̄ N̄t̄Ūt̄Q| cwi eZ̄ŷ̄bi mvt_ mvt_ w̄K̄ŷv_ŷ i w̄K̄Lb-Pwn`v̄ `z̄ cwi eZ̄Z̄ n̄t̄Q| G Pwn`v̄b̄h̄v̄q̄x w̄K̄ŷv_ŷ h̄t̄M̄c̄th̄w̄M̄ Kivi Rb` w̄K̄ŷv_ŷ Db̄q̄b Acwi w̄h̄ēn̄t̄q̄ `w̄ōt̄q̄t̄Q|

2.2 gra`w̄gK̄ t̄t̄i c̄ŷj Z w̄K̄ŷv_ŷ Dci ŷ̄gra`w̄gK̄ t̄t̄i w̄K̄ŷv_ŷ ḡj`vq̄b I Pwn`v̄ w̄b̄i f̄c̄Ȳ0 kx̄l R̄ cwi Pw̄j Z M̄t̄el Yvi djv̄d̄t̄j w̄K̄ŷv_ŷ At̄bK̄ `p̄j Zv, Am̄ŷ̄w̄Z I mgm̄v̄ w̄P̄w̄j Z n̄t̄q̄t̄Q| G w̄K̄ŷv_ŷ Av̄Zḡv̄q̄ Z̄Ēj I Z` m̄sew̄j Z hv

w̄K̄ŷv_ŷ ḡj` Ki t̄Z Dr̄m̄w̄n̄Z K̄ti| c̄ŷj Z w̄K̄ŷv_ŷ Ab̄m̄ŷ̄b̄, mgm̄v̄ mgv̄āt̄bi th̄w̄M̄Zv AR̄b̄, n̄t̄Z-Kj t̄g Kiv R̄ti t̄kLvi Ges mR̄bk̄x̄j I D̄m̄ēbx̄ ŷ̄ŷ̄Zv w̄eK̄v̄t̄ki m̄th̄w̄M̄ m̄w̄gZ| w̄K̄ŷv_ŷ i `b̄w̄ZK I gvb̄eK̄ ŷ̄Yvēj i w̄eK̄v̄t̄ki m̄th̄w̄M̄ Kg| c̄ŷq̄Rbxq̄ w̄elq̄ Ges w̄elq̄e` th̄gb- Z` I th̄w̄M̄th̄w̄M̄ c̄ŷx̄, Rj ev̄q̄j cwi eZ̄b̄ I Ki Yxq̄, eq̄tm̄ŷ̄K̄j I c̄R̄bb̄ `ŷ`, Rj w̄b̄ w̄b̄iv̄c̄Ēv̄ BZ`w̄ i c̄ŷZdj b̄ L̄p̄B m̄w̄gZ| ZvOrov gv̄Z̄f̄v̄l̄v̄ ev̄sjv Ges AvSR̄ZK f̄v̄l̄v̄ B̄st̄i w̄R̄ w̄K̄Lb-t̄kL̄v̄t̄b̄i t̄ŷ̄t̄ t̄k̄v̄b̄, ej v, cov, t̄j Lv Gme `ŷ̄ŷ̄Zv w̄K̄L̄t̄bi Rb` w̄K̄ŷv_ŷ ŷ̄īz̄j̄ c̄ŷv̄b̄ Kiv n̄t̄j I ev_levq̄t̄b̄ Ḡŷ̄t̄jv h_vh_ ŷ̄īz̄j̄ c̄vq̄ w̄b̄| w̄K̄ŷv_ŷ i t̄K Kḡŷ̄x̄ Kivi t̄ŷ̄t̄ w̄K̄ŷv_ŷ Ae`v̄b̄ m̄t̄ŷ̄īl̄ R̄bK̄ b̄q̄| bevq̄bKZ w̄K̄ŷv_ŷ Gme m̄x̄v̄ēx̄Zv K̄w̄l̄t̄q̄ DV̄vi c̄ŷP̄ov̄ t̄b̄l̄ qv̄ n̄t̄q̄t̄Q|

2.3 RvZxq̄ w̄K̄ŷv_ŷ 2010 ev̄sjv̄t̄ki w̄K̄ŷv_ŷ GKw̄ gv̄Bj djK| RvZxq̄ w̄K̄ŷv_ŷ 2010 Ab̄m̄ŷ̄t̄i w̄K̄ŷv_ŷ gra`tg h̄t̄M̄c̄th̄w̄M̄ R̄bk̄w̄³ Db̄q̄t̄bi Rb` c̄ŷq̄Rb̄ w̄K̄ŷv_ŷ Db̄q̄b Ges Gi h_vh_ ev_levq̄b| RvZxq̄ w̄K̄ŷv_ŷ 2010 Gi ev_levq̄t̄bi m̄ēŷ̄aK̄ ŷ̄īz̄c̄ŷ̄c̄` t̄ŷ̄c̄ n̄t̄Q G w̄K̄ŷv_ŷ Ab̄m̄ŷ̄t̄i w̄K̄ŷv_ŷ e`vi c̄ŷZ̄b̄ Ges Gi Rb` c̄ŷq̄Rb̄ t̄m̄ Ab̄m̄ŷ̄t̄i w̄K̄ŷv_ŷ Db̄q̄b|

2.4 ev̄sjv̄t̄ki i f̄c̄K̄i 2021 Gi j̄ ŷ̄ n̄t̄Q w̄w̄i R̄Uv̄j ev̄sjv̄t̄k̄ M̄to t̄Zj̄v Ges t̄k̄t̄K̄ ga`g Av̄t̄q̄i t̄t̄k̄ cwi YZ Kiv| w̄w̄i R̄Uv̄j ev̄sjv̄t̄k̄ Mov Ges ga`g Av̄t̄q̄i t̄t̄k̄ cwi YZ Kivi c̄āvb̄ D̄c̄v̄q̄ n̄t̄Q w̄K̄ŷv_ŷ gra`tg h̄t̄v̄ch̄ŷ̄ R̄bk̄w̄³ m̄j̄ō Kiv| Avi w̄K̄ŷv_ŷ gra`tg Zv Kivi Rb` c̄ŷq̄Rb̄ Dc̄th̄w̄M̄ w̄K̄ŷv_ŷ|

2.5 GK̄w̄esk̄ kZv̄āxi w̄K̄ŷv_ŷ Rb` M̄w̄Z AvSR̄ZK w̄K̄ŷv_ŷ K̄uḡkb̄ w̄i t̄c̄v̄L̄ēr̄n̄ḡ: The Treasure Within' G gra`w̄gK̄ w̄K̄ŷv_ŷ R̄x̄ēt̄b̄ c̄ŷēk̄ŷ̄i 'gateway to life' w̄n̄m̄v̄te w̄P̄w̄j Z Kiv n̄t̄q̄t̄Q| Gi A_ŷ̄K̄ḡR̄x̄ēt̄b̄ c̄ŷēt̄ki c̄ŷq̄Rbxq̄ th̄w̄M̄Zv gra`w̄gK̄ w̄K̄ŷv_ŷ gra`tg AR̄b̄| G th̄w̄M̄Zv AR̄b̄i Rb` c̄ŷZ̄ēt̄b̄ w̄K̄ŷv_ŷ P̄vi w̄L̄ t̄ŷ̄c̄w̄P̄w̄j Z Kiv n̄t̄q̄t̄Q| t̄ŷ̄t̄nḡ n̄t̄Q-R̄v̄b̄i Rb` t̄kL̄v, Kiv R̄ti Rb` t̄kL̄v, w̄ḡt̄j w̄ḡt̄k̄ v̄K̄vi Rb` t̄kL̄v Ges w̄eK̄w̄k̄Z n̄l̄ qvi Rb` t̄kL̄v| Gme t̄ŷ̄c̄ev_levq̄t̄bi gra`tg GK̄w̄esk̄ kZv̄āxi Dc̄th̄w̄M̄ R̄bk̄w̄³ m̄j̄ō Rb` c̄ŷq̄Rb̄ t̄m̄ Ab̄m̄ŷ̄t̄i w̄K̄ŷv_ŷ Db̄q̄b|

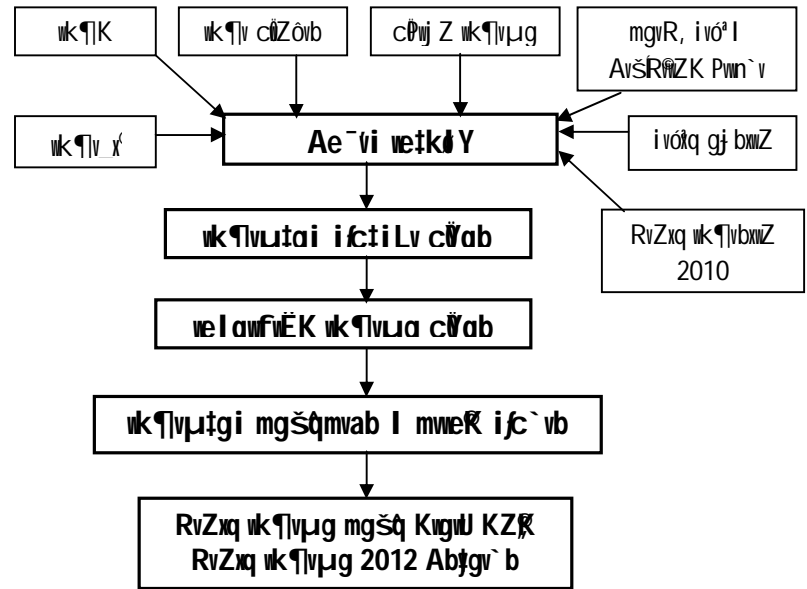
3. უკუქმუგ Dbqtb Abjz gWj

Dfík"-ukLbdj gWj (Objective Model) Abjvti RvZxq ukqvmug 2012 Dbqtb Kiv ntqtQ| GuWtK dj wfivEK gWj I (Product Model) ej v nq| G gWj Abjvti ukqvi j qI I maviY Dfík" vbaŕiY Kti Dfík" ARŦ DcŕhvMx velq I velqivEK Dfík" vbaŕiY Kiv nq| velqivEK Dfík" ARŕbi Rb" ŕi wfivEK cŦŕŕK ukLbdj vbaŕiY Kiv nq| cŦŕŕK ukLbdj tK tkŕivwfivEK ukLbdjtj wfvRb Kiv ntqtQ| tkŦivwfivEK ukLbdjtjK epxeŒxq, AvteMiq I gtbvŕcukR-G wZb fvŕM wfvRb Kiv ntqtQ| tkŦivwfivEK ukLbdjtjK wfivEK Kti tkŦiv DcŕhvMx velqe", ukLb-tkLŕtbn Kvhpŕg I gj"vqb tKŒkj mn hveZxq ukqvi Kvhpŕg vbaŕiY Kiv nq| AvRtKi wtk;eú t" k Dfík" wfivEK gWj AbjvtiY ukqvmug Dbqtb Kti vŕK|

4. უკუქმუგ Dbqtb Abjz cŕmuq

ŕmŕKŦvvi GWŕKkb ŕmŕi tWŕfj cŕgU cŦRŕ (GmBGmŕwvc) Gi Kvi Mvi I Aw_Œ mnvqZvq Ges RvZxq ukqvmug I cv"cyK teWŕ(Gbvmŕwve) Gi mveŒ ZŒyeartb GmBGmŕwvc Gi ukqvmug wtklÁe), Gbvmŕwve-Gi ukjvpmg kvLvi KgŒZŕe) Ges vbeŕPZ RvZxq chŕqvi ukqvmug wtklÁ, velq wtklÁ, ukqvmu, ukqK ukqvm wtklÁ I AvfÁ tkŕivwfivEKi mgŒŕq MvZ wfvbŕKvqW ukqvmug Dbqtb Ktib| ukqvmug Dbqtb ŕbZzj I vŕŕ Rbn cŦvb Ktib GmBGmŕwvci RvZxq ukqvmug cŕvgrŒ| ukqvmug Dbqtb cŕmuqvi wfvbŕchŕq mŕúw Z KvŕRi msvŕŕŕ veeiY Dc"vcb Kiv ntj v:

cŕvn vŕŕ RvZxq ukqvmug Dbqtb cŕmuq



- 4.1 **Ae⁻vi wetk^oY**
- 4.1.1 **gva⁻vgK ⁻tii c^ohuj Z uk^ovlvug ch^ouj vPbv**
GmBGmivici uk^ovlvug wetkl Áe^o 2008 m^otj gva⁻vgK ⁻tii (vbggeva⁻vgK I gva⁻vgK) uk^ovlvug ch^ouj vPbv K^otib| th^osw^o K ch^ouj vPbv gva⁻tg uk^ovlvutgi T^oau-veP^oiz Ges uk^ovlv^o i ukLb P^ovin^o c^oitY uk^ovlvutgi Dc^othwMZv hvPvB Kiv nq| GB ch^ouj vPbv djvdj bZb uk^ovlvug Db^oqt^ob wetePbvq ivLv nq|
- 4.1.2 **c^ohuj Z uk^ovlvutgi gj⁻vqb**
GmBGmivici uk^ovlvug wetkl ÁMY ^ogva⁻vgK ⁻tii uk^ovlvug gj⁻vqb I P^ovin^o v **vbifcY mgr^ovlv 2010^o** kxl R GKwU M^otel Yv cwi P^ovj bv K^otib| G mgr^ovi gva⁻tg uk^ovlvutgi mej I ^oej w^o K, ev⁻évt^obi c^oZeÜKZv I cwi gvR^obi t^oq^ol m^ogn vP^ovZ Ges uk^ovlv^o i ukLb-P^ovin^o v vbifcY Kiv nq|
- 4.1.3 **RvZxq uk^ovlvbwZ 2010**
RvZxq uk^ovlvbwZ 2010-G D^otj^olZ uk^ovlv m^osv^ošl bwiZm^ogn wetkl K^ot^o gva⁻vgK uk^ovlv m^oúwK^o avim^ogn ch^ouj vPbv K^ot^o bZb uk^ovlvug Db^oqt^obi wfZ ^oZwi Kiv nq| uk^ovlvbwZi wf^oé^otZB c^ohuj Z mKj avivi (m^ovaiY, gv^oimv, B^ost^oivR) uk^ovlv^o K^o w^o ^o ch^ouj ch^ošl m^og^ošZ I GK^oglx uk^ovlvutgi Avl Z^oq Aš^of^o Kivi c^o t^oq^ol t^obl qv nq| G e⁻vq me ai^ot^obi uk^ovlv c^oZ^ov^ot^ob c^og t^o t^o K A^oog tk^oiy ch^ošl GKb uk^ovlvug Ab^omv^oti uk^ovlv Kv^oh^oeg cwi P^ovj Z n^ote|
- 4.1.4 **AvšR^owZK ch^ouj vPbv**
m^ogm^ogv^oqK wetkl vbe^oPPZ K^otqKwU t^o t^oki- fviZ, k^otj ^ov, gv^oj t^oq^olqv, w^ol^ov^ouj, A^ot^o-t^oq^o (A^ol^oivR^o), h^op^oivR^o (A^ol^oivR^o) Ges K^oviW^ovi (A^ol^oivR^o) uk^ovlvug ch^ouj vPbv Kiv nq| Gme t^o t^oki uk^ovlv^o e⁻vi wetkl K^ot^o uk^ovlvutgi wetkl w^o Km^ogn ch^ouj vPbv K^ot^o evs^ovt^o t^oki cwi w^ol^ov^o Z G^o i Dc^othwMZv hvPvB Kiv nq|
- 4.1.5 **c^ohuj Z uk^ovlvutgi gj⁻vqb**
t^o t^oki-wet^o t^oki c^okw^oz uk^ovlv m^oúwK^o wetkl K^ot^o uk^ovlvug w^ol^oq c^oZe^o b, c^ohuj I gZvgZ ch^ouj vPbv Kiv nq| G^o t^o t^oki g^ota^o D^otj^ol^o t^oh^oM^o K^otqKwU n^ot^oQ- GK^owesk kZv^oxi uk^ovlv m^oúwK^o AvšR^owZK uk^ovlv K^oig^ot^obi c^oZe^o b UNESCO (1996) ^oLearning: 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; RvZxq uk^ovlvug I cv^ov^o c^oY^o K teW^o c^ovi P^ovj Z (2012) vbggeva⁻vgK, gva⁻vgK I D^ogva⁻vgK ch^ouj vPbv uk^ovlvug, uk^ovlv K c^okw^oY uk^ovlvug I cv^ov^o c^oY^o K t^oR^ovi m^oste^o b^ok^oxj Zv ch^ouj vPbv kxl R c^oZe^o b, Rj evq- cwi eZ^o I ^oth^oM, ZvgvK v^oqš^oY, UNICEF (2009) cwi P^ovj Z ^oR^oieb ^oq^oZw^of^ow^oE^oK uk^ovlv^o|

ZvQ^ovov evs^ovt^o t^oki w^oef^ob^oe c^oK^oi, miK^owi I t^oemiK^owi c^oZe^o v^ob Ges m^osv^o uk^ovlvutgi Aš^of^o i R^o 31wU c^oZe^o b Rgv t^o q| Gme c^oZe^o b ch^ouj vPbv K^ot^o m^osk^o w^ol^oq c^oh^ouj vPbv c^oh^ouj vPbv w^ol^oq e⁻v^o t^obl qv nq| 31wU c^oZe^o t^obi g^ota^o D^otj^ol^o t^oh^oM^o K^otqKwU n^ot^oQ- Rj evq cwi eZ^o, Z^o c^oh^ouj vPbv Av^ok^ovi, Lv^o c^oq^o, c^oR^obb ^ov^o, GBPA^ov^oir^of-GBWm, wetkl P^ovin^o v^oú^ob^ow^oki BZ^o w^o |

4.2 **uk^ovlvutgi i^octiLv c^oq^ob**

Ae⁻vi wetk^oY t^o t^oki j^o AvšR^ovZv I djvd^ot^o t^oji wf^oé^otZ GmBGmivici uk^ovlvug wetkl Áe^o RvZxq c^ovgk^oki w^ol^oq R^obvq uk^ovlvug Db^oqt^obi bwiZgvj Ges w^oef^ob^oe ch^ouj vPbv uk^ovlv Kv^oh^oeg m^ogvB^ovi^o i uk^ovlv AM^ohiY c^oevn w^ol^o v^oba^ofi Y K^ot^o b| Gm^otei D^oci wf^oé^o K^ot^o uk^ovlvutgi i^octiLv c^oq^ob Kiv nq|

4.2.1 **uk^ovlvug Db^oqt^obi bwiZgvj v**

- gnvb fvlv Avš^ov^ojb I gv^oh^ot^ox^oi t^oPZbv Ges Am^ov^oc^oúw^oqK gj⁻ter^otai wf^oé^otZ t^o t^oct^og w^ol^oqv^oki m^oth^ow^o m^ojo
- ^obiZKZv I gv^ob^ow^oK gj⁻tera w^ol^oqv^oki D^oci ^oia^oz^oi c^olv
- Ab^omv^oÜrmv, m^oR^ob^ok^oxj I D^ote^obx ^oq^ogZv ev^ox^oi m^oth^ow^o c^olv
- w^oAv^obg^o t^ol K^og^oglx Kivi D^oci ^oia^oz^oi Avš^oivc
- Av^oab^oK c^oh^ouj e⁻env^oti i th^oM^o Zv AR^obi m^oth^ow^o m^ojo
- Z^ow^oé^oK Á^ov^oti m^ot^o ev^oé^oglx I c^oh^ouj vPbv uk^ovlv m^oth^ow^o ev^ox
- R^oieb^o ^oq^oZv AR^obi m^oth^ow^o m^ojo
- me ai^ot^obi ^oel^og^o Aem^ov^oti j^ot^oq^o gv^ob^owa^okv^oti i D^oci ^oia^oz^oi c^olv
- w^ol^oqv^oki P^ovin^o v Ab^omv^oti gv^ob^oem^oú^o m^ojo i D^oci ^oia^oz^oi c^olv

- 4.3 **weiqwifwEÄK wkwllwpg Dbqob**
 wkwllwptgi ijcäilvi wfwEÄZ cÄZw weltaqi wkwllwpg Dbqobäi Rb" RvZiq chqäqi wkwllw wtklÄ, wela wtklÄ, AwfÄ tkiYwkwllw I GbwmlwEÄZ KgfZ wtklÄMäYi mgšäq cÄZw weltaqi Rb" 5 t_äK 8 m`m` weikó GKw Kti KwguU wkwllw gšYvj q KZR MVb Kiv nq| cÄZw wela KwguUäZ mgšäqKivx wnmvte `wqZjcvj b Ktib GmBGmMwici GKRB wkwllwpg wtklÄ |
- 4.3.1 weiqwifwEÄK wkwllwpg Dbqob KwguUmgäK wZbw `äji fVM Kti cÄZ `j äK wkwllwpg Dbqob weltaqi wweo cÄkwllw t`lqv nq| cÄkwllwYi cÄwb wZbw t`ll n`Q (K) wkwllwptgi ijcäilvi cwipwZ I wkwllwpg Dbqobäi bwZgäw (L) wkwllwpg Dbqob cÄwq Ges wkwllwpg Dbqobäi wbañi Z OK I Gi e`enni (M) QkwifwEÄK nÄZ Kj äg bgjw wkwllwpg Dbqob Ges chqäwPbv |
- 4.3.2 cÄkwllwYi cw`üwiK Avjw-AvjäwPbv gwa`tg weiqwifwEÄK wkwllwpg Dbqob wbgj wLZ tmwcvb AbmiäYi wmxšl`tbl qv nq:
 (K) fwaKv (weltaqi mswllw cwipq) (L) Däil`k` (mwaviY Däil`k`wevj i AvjäwK weltaqi Däil`k`wevj) (M) cÄšK wLbdj (weiqwifwEÄK Däil`k`wevj ARB DcähwMx wbañi Z `li tktl ARBähwM` wLbdj |) OK-1 G cÄšK wLbdj i tkiYwifwEÄK wfwRb Ges OK-2 G tkiYwifwEÄK wLbdj, Aa`vq I wciwqW msl`v, Aa`vqwifwEÄK welaq`ä, wLb-tkLväb wbt`Rbv, gj`vqb wbt`Rbv I cw`cy`K cÄwq wbt`Rbv | thäZ beg`kg tkiY I GKv`k`-ö`k tkiY Awet`Q` tkiY, tmäZG`äw chqäqi wkwllwpg Dbqob OK-1 G tkiYwifwEÄK wLbdj wfwRäbi cÄwRb nq wb |
- 4.3.3 cÄZw weiqwifwEÄK KwguU w`be`vcx wbañi Z msl`K mfvq wguj Z nÄq wbañi Z QäK wkwllwptgi Lmov cÄwq Ktib | Gici GKB aiäbi welaq`äi weiqwifwEÄK KwguUmgä I wkwllwpg cÄwqk`Ki thš` mfvq Lmov wkwllwpg Dc`vcb I chqäwPbv Kiv nq| wela KwguU tm Abmiväi wkwllwpg cwigwRB Ktib |
- 4.3.4 GKB aiäbi weiqmga wbtq PwU `j MVb Kti cÄZw `äji AwewmK KgRvj w KwguU w eäw(BARD) AbjöZ nq| wela KwguU m`m`eä`, mswkó t`fWJs KwguU I m`úv`bv KwguU m`m`eä`, wkwllw gšYvj q KZR MWZ wkwllwpg Dbqob welaq`K tUKwbK`vj KwguU m`m`eä` G KgRvjw AskMäY Ktib | G KgRvjw

- welaq`wifwEÄK wkwllwpg Dc`vcb I chqäwPbv Kiv nq| chqäwPbv AvjäwK mswkó KwguU wkwllwptgi cÄwRbq cwigwRB Ktib |
- 4.3.5 cieZäZ mKj wkwllwptgi Rb" mwaviY Ask`Zwi Kiv nq| G Askw cäe` cÄZKZ wkwllwptgi ijcäilvi I weiqwifwEÄK wkwllwpgmgäni mwä` mgšäq Kti c`Y` ijc`vb Kiv nq|
- 4.3.6 Gici cÄwZ wkwllwpg wfwMxq KgRvjw Dc`vcb I chqäwPbv Kiv nq| KgRvjw wela-wkwllwMY `jMZfwte `^ `^ weltaqi wkwllwpg wweofwte chqäwPbv Kti mwöw`ö mpcwikk ivLb | KgRvjw G mpcwikk AvjäwK wela KwguU wkwllwpg cwigwRB Kti mwel` ijc`vb Ktib |
- 4.3.7 mwel` wkwllwpgU tUKwbK`vj KwguU KZR cwigwRBäi ci wkwllw gšYvj q KZR MWZ cÄdkbw KwguU I RvZiq wkwllwpg I cw`cy`K tawKZR Abjäw Z nq| meäki RvZiq wkwllwpg mgšäq KwguU KZR Abjäw`b jäfi ci wkwllwpgU ÖRvZiq wkwllwpg 2012`wnmvte MpxZ nq |

4.4 ակրվյալ Dբադի նեմբաժնի Kվիբ

չիբ	Kվիբ	Dբաբ/ժիբKվիբ
1. Ae֊vi նեթկիY	1.1 gva֊ngK ֊իi շիj Z ակրվյալ շիj vPbv 1.2 gva֊ngK ֊իi ակրվյալ gj֊vqb I Pwn֊v նիբիY mgv֊lv 2010 շի Pvj bv 1.3 RvZxq ակրվյալ 1995-96 նեթկիY 1.4 AvՏRՊZK շիբի ակրվյալ շիj vPbv 1.5 շիմիK շիZի֊b, շիՍ I gZvgZ շիj vPbv	1.1 GmBGmMվici ակրվյալ նեթկի Ae֊֊ 1.2 GmBGmMվici ակրվյալ նեթկի Ae֊֊ 1.3 GmBGmMվici ակրվյալ նեթկի Ae֊֊ 1.4 GmBGmMվici ակրվյալ նեթկի Ae֊֊ Ges RvZxq ակրվյալ շիj vPbv 1.5 GmBGmMվici ակրվյալ նեթկի Ae֊֊ Ges RvZxq ակրվյալ շիj vPbv
2. ակրվյալի իբի Lv շիբ	2.1 ակրվյալ Dբադի նեթկի Y 2.2 ակրվյալ Kվիբ mgv֊lv շի֊i AMիiY շիմի Pի շիբ 2.3 ակրվյալի շիբ Lv շիբ	2.1 ակրվյալ շիj vPbv նեթկի Ae֊֊ GmBGmMվici ակրվյալ նեթկի Ae֊֊ 2.2 ակրվյալ շիj vPbv նեթկի Ae֊֊ GmBGmMվici ակրվյալ նեթկի Ae֊֊ 2.3.1 ակրվյալ շիj vPbv նեթկի Ae֊֊ GmBGmMվici ակրվյալ նեթկի Ae֊֊ 2.3.2 Պ RvZxq նեթկի AskMիYKվիբ

չիբ	Kվիբ	Dբաբ/ժիբKվիբ
3. նեթկի ակրվյալ Dբադ	3.1. ակրվյալ Dբադի Dci նեթկի շիj vPbv 3.2. նեթկի ակրվյալ Dբադ	3.1. ակրվյալ շիj vPbv I tUKնK֊vj Kվիբ 3.3.1 ակրվյալ նեթկի Ae֊֊, նեթկի Ae֊֊, AvFԱ շիj vPbv I GmBGmMվici նեթկի AMիYi mgՏq MիZ նեթկի Ae֊֊ ակրվյալ Dբադ Kվիբ, նեթկի RvZxq ակրվյալ շիj vPbv 3.3.2 նեթկի Kգրվյալ AskMիYKվիբ նեթկի Ae֊֊ I GmBGmMվici ակրվյալ նեթկի Ae֊֊ 3.3.3 tUKնK֊vj Kվիբ
4. ակրվյալի mgՏq նեթկի I Abիj֊ b	4.1. ակրվյալի mgv֊lv շի֊i Ask֊Zvi I mKj Astki mgՏq RvZxq ակրվյալ 2012 շի֊v Ges 4.2. ակրվյալ Abիj֊ b	4.1.1 ակրվյալ շիj vPbv I GmBGmMվici ակրվյալ նեթկի Ae֊֊ 4.1.2 tUKնK֊vj Kվիբ 4.1.3 շիմի Kվիբ 4.1.4 շիմի Kվիբ 4.1.5 GmBGmMվici 4.2 RvZxq ակրվյալ mgՏq Kվիբ

- Q. evsj v mwinZ'i AšbñZ bi>`ubK tms`h;K;Lj v Ges mL` Dc`fivM I D` NivUþ w`q`v_xp thvM`Zv wekukZ Kiv |
- R. AvapbK KgfñT, D`Pukñymn mKj tññT KivRi thvM`thvMi c`q`vR`b BstivR fivlvi tgñj K `ñZvmgn AR`bi gra`tg w`q`v_xpK thvM` Kti Mto tZj v |
- S. w`q`v_xpK MvñZK hñ³, cx`wZ I `ñZvi mt_ cwi`PZ Kivþv Ges RxebNubõ I we`kji cwi`cw`k mgn`v mgravþbi Rb` MvñZi c`q`vMk `ñZv wekukZ Kiv |
- T. w`q`v_xpK chñ³ i cñZ AvMhx Kti tZj v Ges Z_ I thvM`thvM chñ³ e`envi AvZwekjm, Dcr`bkj Ges mRbkj inmte `Zui Kiv |
- U. w`q`v_x`hvZ Rxebgv Dbqþbi Rb` RxebNubõ we`fbomgn`v AbmUv I mgravþb `e`AvnbK c`q`v I cx`wZ c`q`vM Kitz cñi tm jññ `e`AvnbK `w`fiv½ I thvM`Zv AR`b mñvqZv Kiv |
- V. t`ñk Ges evñwe`kji c`KukZ I mvgñRK cwi`ñek Ges Rj evqji cwi`eZ`bi Dci `i`azñivc Kti cwi`ñekMZ Dcr`vb m`uþK`w`q`v_xp i cwi`PZ Kiv | GKB mt_ mñkõ mKtji Kj `ññYi Rb` H mKj Dcr`vb`K w`q`v`ñ i e`envi Kivi thvM`Zv AR`b mñvqZv Kiv |
- X. Lv` I cñõ, kvixiK mññgZv, tivM`e`wa, cRbb `ñ` Ges e`w³MZ w`bivcEv BZ`v` i Dci `i`azñivc Kti w`q`v_xpK `ñ`m`ñZ Rxebhvctþi c`q`vRbqx `Avb, Rxeb`ñZv I `w`fiv½ AR`b mñvqZv Kiv |
- W. w`q`v_xp gþb w`bR w`bR agrñ we`kjm I gj`ñeva RvMZ Kivi c`vkvñk Ab` ag` ag`ej ðñ` i cñZ k`vkvj ntZ mñvqZv Kiv |
- Y. w`q`v_xp gþa` evññj Ges ñz` RvñZ`ñvõxi vñv`cñj, ev`ñññ, fivlv, mñ`ñZ, we`fbw`kñ I t`kvi gvññ i cñZ `ñvZñ i k`vñeva mñõ Kiv |
- Z. w`q`v_xp `ñ`ñk I gvñmK we`kñki jññ mñw`q`v`ñgK Kvñññj - tLj`ñj v, kiviPP, mñ`ñZK KgññE, Pvi` Kvi`ñj v Abjññ ði w`q`v`ñ Af`vñ Mto tZj v |
- _. Rxeb`v`cñ w`q`v`ñ AvMhx I thvM` Kivi Rb` w`q`v`ñ e`w³MZ I mvgñRK Rxeb, AvapbK KgfñT Ges `ñKgññ`ñþi Rb` c`q`vRbqx `Avb, `ñZv I `w`fiv½ mj p Kiv |
- ñ. mñthvM`Zigj K Kiv Kivi gra`tg w`q`v_xp tñZñ, mñthvMZv I thvM`thvM `ñZv we`kñk mñg Kiv |

6.2 **welq KivWtgv:**
I õ t`ñK Aogññi welq KivWtgv, b`ñ I mgq e`Eb

	mKj avivi Avenk`K welq (mvavi Y w`q`v, gv`ñm w`q`v I BstivR w`q`v aviv)	cñññvi b`ñ	mgqe`Eb (Kvm w`vñ qW)		
			mñbwnK	mvgññK	ewññ
1.	evsj v	150	5	87	174
2.	BstivR	150	5	87	174
3.	MvñZ	100	4	70	140
4.	evsj vt`k I we`kvñ Pq	100	3	53	106
5.	we`Avb	100	4	70	140
6.	Z_ I thvM`thvM chñ³	50	2	35	70
tgñU		650	23	402	804
mvavi Y w`q`v avivi Avenk`K welq					
7.	ag`ñ `bvñZK w`q`v: Bmjvg I `bvñZK w`q`v/wñ` ðg`ñ `bvñZK w`q`v/wñ`ðag`ñ `bvñZK w`q`v/te`x`ag`ñ `bvñZK w`q`v	100	3	53	106
8.	Kvi`ññ K w`q`v I `ñ`	50	2	35	70
9.	Kg`ñ Rxebgñ`ñ w`q`v	50	2	35	70
10.	Pvi`ñ Kvi`ññ`ñ	50	2	35	70
tgñU		250	9	158	316
mvavi Y avivi HvññK welq (GKñU ðbñ qv hvñe)					
11.	ññ`ñ`bvññõxi fivlv I mñ`ñZ/Kvñ w`q`v/ Mvñ`ñ`we`Avb/Avi we`ñ`ñZ/cwñj	100	2	35	70
me`ññU		1000	34	595	1190

`ñe`:

- c`ñg w`vñ qñWi e`vñb 60ñññv I Ab`vñ` w`vñ qñWi e`vñb 50ñññv |
- kvñvi t`ñK e`ñvi cñZv` b 6ññññ qW Ges eñ`ññZevñ 4ññññ qW |
- `ññK cññññK mñññek (Assembly) Gi tgqñ` 15ñññv Ges 3q w`vñ qW ci ga`ñy wei`ñZ 45ñññv |
- `ñ`ñ w`cññ cwi`Pwj Z cñZvññ me tñññ 5ñññv Kti mgq Kg ñte Ges ga`ñy wei`ñZ 25ñññv |

6.3 mvaYi ukvli avivi beg-`kg tkivi velq-KvWtgv, baf I mgq eEb

velq ai b	velq	cixivi baf	mgqeEb (Kw ucvi qW)		
			mvBwnK	mvguqK	ewl R
Avenk`K	1. evsj v	200	5	80	160
	2. BstirR	200	5	80	160
	3. MvYZ	100	4	64	128
	4. ag ⁹ `bwZK ukvli (Bmj vj I `bwZK ukvli/ wv`pg ⁹ `bwZK ukvli/ wLbag ⁹ `bwZK ukvli/ tesxag ⁹ `bwZK ukvli)	100	2	32	64
	5. Z_ I thvMvthvM cbv ³	50	2	32	64
	6. K`wi qvi ukvli	50	1	16	32
	7. kvixii K ukvli, `v`weAvb I tLj vaj v	100	2	32	64
tvu		800	21	336	672
kvLwfvEK velq					
weAvb kvLvi Rb` Avenk`K velq	8. c`v_`weAvb	100	3	54	108
	9. imvqb	100	3	54	108
	10. RxweAvb/D`Pzi MvYZ	100	3	54	108
weAvb kvLvi HwQK velq (GKuU tbi qv hvte)	11. evsj vt`k I wekcvii Pq	100	3	54	108
	12. RxweAvb/D`Pzi MvYZ/`qiz`btMvxi fvlv I ms`wZ/Kul ukvli/Mv`weAvb/ fMj I cwi tek/ Pvi a I Kv akj v/ msMvZ/tevmK tUW/ kvixii K ukvli I μov*	100	3	54	108
meqvU		1300	36	606	1212
e`emvq ukvli kvLvi Rb` Avenk`K velq	8. e`emvq D`v`vM	100	3	54	108
	9. wmvweAvb	100	3	54	108
	10. wdb`vY I e`isukS	100	3	54	108
	11. weAvb	100	3	54	108

velq ai b	velq	cixivi baf	mgqeEb (Kw ucvi qW)		
			mvBwnK	mvguqK	ewl R
e`emvq ukvli kvLvi HwQK velq (GKuU tbi qv hvte)	12. fMj I cwi tek/ evsj vt`k I wekcvii Pq/ Kul ukvli/Mv`weAvb/`qiz`btMvxi fvlv I ms`wZ/Pvi a I Kv akj v/ msMvZ/tevmK tUW	100	3	54	108
	meqvU		1300	36	606
gvbweK kvLvi Rb` Avenk`K velq	7. evsj vt`ki BvZnm I wekcvii Zv	100	3	54	108
	9. fMj I cwi tek	100	3	54	108
	10. A`wvZ/tcSi bviZ I bvmii KZv	100	3	54	108
	11. weAvb	100	3	54	108
gvbweK kvLvi HwQK velq (GKuU tbi qv hvte)	12. A`wvZ/tcSi bviZ I bvmii KZv/Pvi a I Kv akj v/Kul ukvli /Mv`weAvb/`qiz`btMvxi fvlv I ms`wZ/ Avii we/ms`Z/cwv / msMvZ/tevmK tUW /kvixii K ukvli I μov*	100	3	54	108
	meqvU		1300	36	606

`be`:

- > weAvb, gvbweK I e`emvq ukvli kvLvi ntZ thtKvbtv GKUU kvLvi wbePb Kti wbePZ kvLvi Avenk`K velqmgv wbtZ nte|
- > mBvtn 6w`b`wbK 6wcvii qW Kw nte|
- > wcvii qvWi e`wB I Ab`vb` velq lo t`tk Aog tkivi Abjfc nte|
- * kvixii K ukvli I μov velqU i`ayevsj vt`k μov ukvli cizvfti weAvb kvLvi I gvbweK kvLvi ukvli`fv HwQK velq wmvte wbtZ cvite|

- **mn̄thwMzvgj K (Collaborative)** : MVber`x tkiY Kvh̄p̄g n̄te mn̄thwMzvgj K | w̄k̄v̄l̄v̄x̄p̄v̄ `tj i c̄ōZ`tki t̄t̄k c̄ōZ`tk w̄k̄l̄te Ges Ḡt̄K Ab`t̄K w̄k̄l̄t̄Z mn̄thwMzV Kīte | h̄Lb w̄k̄v̄l̄v̄x̄p̄v̄ mḡteZf̄te w̄k̄Lb c̄ōp̄qv̄ ch̄p̄j v̄Pbv I Ab̄p̄v̄b K̄ti ZLb Ziv Ḡt̄K Ab` t̄t̄k dj c̄ōw̄ M̄b̄Y Kivi m̄th̄M c̄vq |
- **Ab̄m̄Ūvb̄ ev̄ m̄gm̄w̄f̄iĒK (Inquiry or Problem-Based)**: MVber`i ḡj K_v n̄t`Q m̄gm̄vi m̄ḡv̄ab | G t̄p̄t̄i w̄k̄v̄l̄v̄x̄p̄v̄ Ab̄m̄Ūvb̄ḡj K c̄x̄w̄Zi ḡv̄a`tg c̄k̄eK̄ti, t̄K̄v̄tb̄ w̄k̄Qj m̄Ūvb̄ K̄ti Ges m̄ḡv̄ab ev̄ DĒi cvl̄ qvi Rb` w̄eif̄b̄ac̄x̄w̄Z I t̄K̄škj c̄ōq̄M K̄ti |
- **w̄eK̄v̄k̄ḡvb̄ (Evolving)**: w̄k̄v̄l̄v̄x̄p̄v̄ Zv̄t`i ch̄p̄j v̄Pbv I Ab̄p̄v̄t̄bi ḡv̄a`tg c̄t̄e^o Āw̄R̄Z t̄K̄v̄tb̄ Áv̄t̄K Am̄Z` I Am̄ūY^o ḡt̄b̄ Kīt̄Z cv̄ti | t̄m̄t̄p̄t̄i Ziv Ab̄m̄Ūvb̄i ḡv̄a`tg b̄Zb̄ w̄m̄x̄v̄t̄s̄l̄ t̄c̄ōv̄te | c̄ōP̄ov̄ Pw̄j t̄q̄ h̄v̄te Ges b̄Zb̄ Áv̄b̄ I Āw̄f̄ÁZw̄f̄w̄Ēt̄Z c̄ēp̄ä w̄m̄x̄v̄s̄l̄ c̄p̄ms̄`vi Kīte |

8.3 MVber`i m̄v̄t̄_m̄ḡM̄Zvev̄t̄`i (Gestalt Theory) t̄ek w̄ḡj Av̄t̄Q | Gestalt R̄vḡp̄ k̄ā h̄vi A_`Structure ev̄ MVb | w̄k̄Lb c̄ōp̄qv̄q̄ av̄i Yv̄ MVb c̄_x̄K c̄_x̄K Dcv̄`v̄t̄bi Dci b̄q, m̄vḡM̄K̄f̄v̄te Dcv̄`v̄b̄_t̄j vi Dci w̄b̄f̄P̄ K̄ti | MVber`i I ḡj K_v av̄i Yv̄ MVb hv̄ w̄b̄f̄P̄ K̄ti w̄k̄ȳv̄_x̄p̄ c̄ēp̄ä av̄i Yv̄, Áv̄b, Āw̄f̄ÁZv̄ I c̄w̄i c̄w̄k̄R̄ Ae`vi Dci | m̄ḡM̄Zvev̄` Ab̄h̄v̄q̄x̄ t̄Pv̄L, Kiv, Z̄K̄ BZ`w̄ Bw``t̄j v̄ ōv̄i Avgiv th Z_`_t̄j v̄ cv̄B t̄m̄_t̄j v̄t̄K Avgiv ḡt̄b̄ ḡt̄b̄ c̄Ȳ% īc̄ t̄`B, Av̄i MVber`i ḡt̄Z Avgiv Gme Bw``t̄M̄ōn` Z_`_t̄j v̄ w̄ t̄q̄ c̄ōZ`K̄ `Z̄š̄j GKw̄U ḡvb̄w̄M̄ w̄P̄Ī `Zwi i ḡv̄a`tg Āw̄f̄ÁZv̄ AR̄B̄ K̄wi | Ḡf̄v̄te Āw̄R̄Z Āw̄f̄ÁZv̄ GKw̄U Dci GKw̄U m̄w̄R̄t̄q̄ w̄k̄Lb m̄ūb̄eK̄wi |

9. **w̄k̄Lb-t̄k̄L̄v̄tb̄v̄ Kvh̄p̄ḡ c̄w̄i P̄vj̄ b̄vi K̄w̄Zc̄q̄ c̄x̄w̄Z I t̄K̄škj**
 w̄k̄v̄l̄v̄x̄p̄v̄ w̄k̄Lb Āt̄b̄K̄v̄t̄k̄ w̄b̄f̄P̄ K̄ti w̄k̄v̄l̄v̄x̄p̄v̄ K̄Z̄R̄ c̄w̄i P̄w̄j̄ Z c̄x̄w̄Z I t̄K̄škj i Dci | w̄k̄v̄l̄v̄x̄p̄v̄ i ̄q̄ḡZv̄ I c̄ēȲZv̄ Ges cv̄t̄Vi `enk̄t̄ō`i w̄f̄w̄Ēt̄Z c̄x̄w̄Z I t̄K̄škj w̄b̄ēP̄b̄ Kiv c̄ōq̄R̄b̄ | c̄x̄w̄Z I t̄K̄škj m̄w̄K̄ n̄t̄j Ges h̄_v̄h̄`f̄v̄te c̄ōq̄M̄ Kiv n̄t̄j w̄k̄v̄l̄v̄x̄p̄v̄ m̄n̄t̄R̄ w̄k̄L̄t̄Z cv̄ti | GLv̄t̄b̄ K̄t̄q̄K̄w̄U c̄x̄w̄Z I t̄K̄škj i m̄s̄w̄q̄t̄b̄ c̄w̄i P̄q̄ t̄`l̄ qv̄ n̄t̄j v̄:

9.1 **c̄k̄eDĒi c̄x̄w̄Z (Question-Answer Method)**
 c̄k̄eDĒi GKw̄U euj̄ c̄ōj̄ Z I Kvh̄R̄i c̄x̄w̄Z | G c̄x̄w̄Zi m̄w̄K̄ c̄ōq̄v̄t̄Mi ḡv̄a`tg w̄k̄v̄l̄v̄x̄p̄v̄K̄ m̄w̄p̄q̄ t̄īL̄ w̄k̄L̄t̄b̄ mn̄thwMzV̄ Kiv hv̄q̄ | w̄eif̄b̄eD̄t̄īt̄k` c̄k̄eKiv̄ n̄t̄q̄ _v̄t̄K | t̄k̄Lvi Rb` c̄k̄e w̄k̄L̄b̄dj̄ AR̄B̄ c̄w̄i ḡt̄ci Rb` c̄k̄e t̄Kiv̄ w̄ēt̄kl̄ K̄t̄ḡP̄ Dc̄t̄h̄w̄MzV̄ hv̄Pv̄B̄ Kivi Rb` c̄k̄e BZ`w̄` t̄ek̄ K̄t̄q̄K̄w̄U aib̄ īt̄q̄t̄Q |

- 9.2 **c̄k̄eKivi īw̄Z**
- m̄ḡ`l̄t̄k̄īw̄t̄k̄ D̄t̄īk` K̄ti c̄k̄eKiv̄ | c̄ō_t̄ḡ t̄K̄v̄tb̄ w̄k̄v̄l̄v̄x̄p̄v̄K̄ w̄b̄w̄`ō K̄ti Zv̄t̄K c̄k̄eKiv̄ n̄t̄j t̄k̄īYi Ab` w̄k̄v̄l̄v̄x̄p̄v̄ w̄b̄w̄`ē̄ _v̄t̄K, Aḡt̄b̄v̄t̄h̄w̄M̄x̄ n̄t̄Z cv̄ti | m̄ev̄B̄t̄K̄ m̄w̄p̄q̄ iv̄Lvi Rb` m̄ḡ`l̄t̄k̄īw̄t̄k̄ c̄k̄eKiv̄t̄Z n̄q̄ |
 - w̄P̄s̄ī K̄ti DĒi w̄K̄ Kivi Rb` w̄k̄Q̄j̄v̄ m̄ḡq̄ t̄`l̄ qv̄ |
 - DĒi `v̄t̄b̄ k̄;L̄j̄v̄ eR̄v̄q̄ iv̄Lvi | cv̄iM̄ w̄k̄v̄l̄v̄x̄p̄v̄ nūZ̄ DV̄t̄e | m̄ev̄i GKm̄v̄t̄` DĒi t̄`l̄ qvi Af̄`v̄m̄ Z̄v̄M̄ Kiv̄t̄Z n̄te |
 - w̄k̄v̄l̄v̄x̄p̄v̄K̄ w̄b̄w̄`ō K̄ti DĒi w̄t̄Z̄ ej̄v̄ | GKB̄ w̄k̄v̄l̄v̄x̄p̄v̄K̄ ev̄i ev̄i DĒi t̄`l̄ qvi m̄th̄w̄M̄ bv̄ w̄ t̄q̄ ch̄p̄q̄m̄t̄ḡ m̄ev̄B̄t̄K̄ m̄th̄w̄M̄ t̄`l̄ qv̄ | c̄ōq̄R̄t̄b̄ DĒi `v̄t̄b̄ Bw̄z̄ w̄ t̄q̄ m̄n̄v̄q̄Zv̄ Kiv̄ | DĒi m̄w̄K̄ bv̄ n̄t̄j Ab` w̄k̄v̄l̄v̄x̄p̄v̄K̄ DĒi w̄t̄Z̄ ej̄v̄ |
 - m̄w̄K̄ DĒi c̄p̄iv̄ēĒ̄ Kiv̄ |
 - Gici c̄t̄e^onv̄Z̄ DV̄v̄q̄ w̄b̄ Ggb̄ Ac̄v̄iM̄ w̄k̄v̄l̄v̄x̄p̄v̄K̄ GKB̄ c̄ōk̄ē DĒi w̄t̄Z̄ ej̄v̄ |
 - c̄ōq̄R̄t̄b̄ Ab̄m̄Ūvb̄x̄ c̄k̄ē(probing question) Kiv̄ | GKw̄U c̄ōk̄ē DĒi t̄t̄k̄ th̄ c̄k̄eR̄v̄t̄M̄ Zv̄t̄K̄ Ab̄m̄Ūvb̄x̄ c̄k̄ēj̄v̄ n̄q̄ |

9.3 **c̄ōk̄ē aib̄**

- c̄ōk̄ē f̄v̄lv̄ n̄te m̄n̄R̄ I t̄k̄īȲ Dc̄t̄h̄w̄M̄x̄ |
- c̄ōk̄ēnt̄e w̄k̄v̄l̄v̄x̄p̄v̄ w̄P̄s̄ī D̄īxc̄K̄ I t̄c̄ōYv̄ m̄p̄ōK̄v̄īx̄ | ōt̄K̄b̄ō, ōw̄K̄f̄v̄t̄eō, ōK̄v̄īȲ K̄w̄, ōēv̄L̄`v̄ Kiō, ōēt̄k̄īȲ Kiō, ōZ̄j̄ bv̄ Kiō BZ`w̄` ōv̄īv̄ c̄k̄eKiv̄ n̄t̄j w̄P̄s̄ī K̄ti DĒi t̄ēī Kīt̄Z̄ n̄q̄ |

- thme c0k0e DEi 0ni0 ev 0b0 Ggb c0k0ev KivB fij | 0suz wbfP c0k0ehgb 0K0, 0tK0, 0tKv_0q0, 0K0u0 ev 0KvK etj 0 BZw c0k0hZUv m0e cwi nvi Kiv|
- ch0q0t0 Ggbfite c0k0eKiv thb c0k0g0ni DEi t_tK velqe 0 m0u0tK0 00 av Yv jvf Kiv hvq | c0qvR0b c0k0e0i gvtS gvtS Avtj vPbv Kiv|
- Abm0vbgj K c0k0e(probing question) A_0 GK0U c0k0e DEi t_tK D00Z c0k0e K0i vel0qi cY0v Avbv c0qvRb | thgb-
gj c0k0e 00vj t0 kv0v_0 i Mo Dcw0Z KZ?
DEi : m0avi Y mg0q 85%, vetkl mg0q 50%
Abm0vbgj K c0k0evetkl mg0q Kg tKb?
DEi : avb tivcY | avb KvUvi tg0m0g t0tjtg0t0 i A0t0K K0l Kv0R Avf0veK0tK m0vqZv K0i ZvB Zviv 00vj t0 Av0m bv|

9.4 **0k00t0Ki KiY0q**

- m0WK DE0i Rb 00kv_0K Drm0n c0vb
- fij DE0i Rb 00t0 Rbv | 0kL0Z Ab0c0Yv t0 lqv
- m0WK DE0i c0h0 t0t0 Avtj vPbv gva0tg av Yv jvf m0vqZv Kiv
- 0k00v_0K c0k0eKi0Z m0h0M t0 lqv, Drm0nZ Kiv Ges 0k00v_0K c0k0e DEi t0 lqv

10. **0j MZ m0th0M0Zvgj K 0k00v c0x0Z**

0j MZ m0th0M0Zvgj K c0x0Z GK0U mdj 0kLbc0x0Z | G c0x0Z0Z GKB eqt0t0gi ev GKB ch0q0i 0k00v_0K ci 00i w0w_00vi gva0tg 0k00v jvf K0i | G0t0t0 0k00t0Ki f0gKv c0iv0 0kS 0 iaZcY0 0j MZ Kv0Ri gva0tg c0Z0U 0k00v_0K i ay 0vb-0 0ZvB 00x cvq bv, m0t_ m0t_ tek 0K0y gv00eK 0 Yve0j i 0eKv N0U | K_v tkvbvi | K_v ejvi k;Ljv Ab0niY, cigZ m0n0Zv, t0ZZ, mg0tSvZv BZw 0 Yve0j i 0eKv N0U |

10.1 **0j MVb**

0eif00fite 0j MVb Kiv hvq | mg-mvg0t_0 0k00v_0K i 0j, w0g0 mvg0t_0 0k00v_0K i 0j, velq0v0EK 0j, A0j w0v0EK 0j BZw | A0t0K t0t0 w0g0 mvg0t_0 0tj i m0eav Ab0t0 i t0t0 0K00v te0k | c0Z c0t0vi Rb 00 ev c0Z vel0qi Rb 0bZb K0i 0j MVb Ki0Z t0t0 A0t0K mg0 jvt0M | ZvB tk00v0K

(0h0b c0g w0wi0t0W K0m tbb) 0j MVb Ki0eb | c0qvR0b GK g0m A0li A0li bZb K0i 0j MVb Ki0eb | G0Z 0k00v_0K i w0w_00vi cwi mi 00x cvq | GKB tk00Yi 0eif00vel0qi 0k00KMY tk00v0K KZ0 M0VZ 0j 0tjvt0KB 0j MZ Kv0R 0t0qv0RZ Ki0eb | c0Z0U 0tj i AvKvi 6Rb t_tK 8Rb ntj fij, Zte 10R0bi te0k n0qv ev0b0q bq | c0Z0K 0tj i GK0U K0i bvg 0vK0j m0eav nq | dj, dj, cv0L, b0x ev is Gi b0tg 0tj i bvg ivLv hvq |

10.2 **0j MZ Kv0Ri Avmb 0eb0m**

0j MZ Kv0Ri Avmb 0eb0m Ggb n0e hv0Z 0tj i mKj 0k00v_0K g0Lvg0L em0Z c0t0 | tk00K0t0i AvKvi eo ntj Ges ch00 Avmevec0 0K0j, c0Z 0j t0v0 t0U0etj i Pricv0t0em0e | Gifc Avmevec0 bv 0vK0j cvKv t0t0S0Z gv 0i0 t0v0 nt0 em0Z c0t0 | bZev c0g tet0Ai 0k00v_0K N0i w0Z0q tet0Ai g0Lvg0L em0e, Gfite ZZ0q te0 N0i PZ0tet0Ai g0Lvg0L | G0t0t0 c0Z 0tj i 0k00v_0K i0K ci ci 0t0tet0 em0Z n0e | 0k00K 0j MZ Kv0R 0t0q t0 lqv m0t_ m0t_ B 0j ex0fite etm 0j MZ Kv0R i0e Ki0Z n0e | Avmevec0 U0v0U0b K0i mg0 b0 Kiv hv0e bv |

10.3 **0j MZ Kv0R Kivi c00qv**

- 0tj f0M n0l qvi Av0MB mg0eZ Kv0m 0k00K 000 K0i 0j MZ Kv0R 0t0q 0t0eb |
- 0k00K 0tj i GK0Rb0K GK0U Kv0Ri Rb 0j 0bZv g0bv0qb w0t0eb | ch0q0t0g 0tj i c0Z0K0K 0j 0bZvi 0w0Z0w0t0eb |
- 0k00v_0K 0tj f0M nt0 em0e | 0tj i c0Z0t0K velq0U 0b0q 0P00v Ki0e | Zvici Avtj vPbv i0e Ki0e | GK0Rb K_v ejvi mg0 Ab0iv gb w0t0 i0t0e | K_v gvtS t0K K_v ej0e bv | Zte Avtj vPbv Ah_v 0xN0ev c0h0 e0nf0Z ntj 0j 0bZv f0fite 0b0q0Y Ki0e |
- 0tj i c0Z0t0K Avtj vPbv Ask000Y Ki0e |
- Avtj vPbv gva0tg Z0, Z0, h00 Dc0vcb | h00 L0b Ki0e |
- Kv0iv K_v Ac00 ntj ev gb0c0Z bv ntj 0ah0ati i0t0Z n0e, c0i h00 w0t0 L0b Kiv hv0e, i0M Kiv ev A0kvfb Av0iY Kiv hv0e bv |
- t0Rvi K0i Ab0t0 i Dci 0b0Ri gv0gZ Pm0ct0 t0 lqv t0P0v Kiv hv0e bv |

- Avtj vPbvi djvdj `tj i m×všimvte wj LtZ nte Ges mevBtK tgb wbtZ nte|
- cieZ#Z mgteZ Krtm wKtKi wbt`Rvbmvti H Avtj vPbvi `j tbZv `tj i cŁZte`b Dc`vcb Kite| Ab` `tj i cŁkewKtj `tj i ctq| th tKvbtv GKRb DEi w`te|
- `j MZ KvR Pjvi mgq tKvbtv gZv%bK` ev mgm`v t`Lv w` tj `j tbZv nvZ Ztj wKtKi wbt`Rbv PvBte|

10.4 `j MZ KvRi aib

`j MZ KvR cŁvbZ AbjmUvbgj K ev mgm`wfvEK nte| `j MZ KvRi wclq wPšl DİxcK, mRbkxj I wtkl Yagxente| mvariY ZE; Z` ev Avbgj K Rvbrv wclq `j MZ Avtj vPbvi wclq nq bv| ZvZ AbjmUvb ev wPšl DİxcK wKQy_vtK bv|

10.5 `j MZ KvRi KtqKw D`vniY

- K. evsjv`k t`tk wewfbœcRvzi cwl µgvMZ wejβ nl qvi KviY I Zv`i i qvi Dcvq AbjmUvb|
- L. MŁtgi wbi q| gvb| tK `v` mPZb Kivi tqt` wKv` i Ki Yxq wbaqY|
- M. cixq|Yi gva`tg wewfbœcKvi gwUi `enkó` wPvYZKiY|
- N. evsjv`tki wki`i AwaKvi i q|vq miKvi, mgvR I AwffvettKi Ki Yxq wbaqY|
- O. GKw Abj`Qt`i mvi ggD` wvUv|

10.6 `j MZ KvRi wclq wmvte mwK bq-

- K. AbjcvZmn evqj Dcv`vbmgnı bvg
- L. evsjv`tki f-cKwzi eYv
- M. mvK` kmggnı ivRavb, RbmsL`v I gv_wicQyAvq
- N. cigvYj MvB eYv
- O. Z` AwaKvi AvBb eYv

10.7 `j MZ KvRi gva`tg wKlb `pZvi Aemv

wKv` i tKD tKD wewfbœKviY wbaqZ wKlbj ARB KiZ cvti bv| avivemK gj`vq|bi gva`tg wKlb `pZvm=úbœwKv` i wPvYZ Kti Zv`i Rb` wtkl `j MZ KvRi e`v Kiv hvq| G tqt` GKB tkwı GKRb

wKlbj ARBKvix tPŠKm wKv` i `j tbZv wmvte `tj i Ab` i tK wKlb mnthwMzv Kivi `wqZi` I qv nq| wkyK `j tbZvtK cteB cŁqvRbxq wbt`Rbv w`tq t`b| mgchqı wKv` i v`v Ab` wKv` i tK wKlb mnthwMzv t` I qvtK (Peer Learning) ev nq|

10.8 `j MZ KvR Pj vKvj xb wKtKi Ki Yxq

`j MZ KvR Pj vKvj xb wKtK Nıi Nıi cŁZ`K `tj i KvR chqY Kiteb| thLvth hLb cŁqvRb wbt`Rbv I mnvqZv w`teb| cieZ#Z `j MZ KvR Dc`vctbi mgq fj -áwš`ev Am=úYzv_vKtj awtq w`teb|

11 cŁkœ c×wZ (Demonstration Method)

cŁkœ c×wzi gjK_v ntjv tKvbtv wKQy t`wLtg GwU m=útk`aviYv jvtf wKv` i tK mnvqZv Kiv| tKvbtv wKQy Dc`vctb i ay eYv ev Avtj vPbv mxgv× bv t`tk Zv t`Lvbtv ntj avıYv jvtf mnR nq Ges GtZ wKv` i AvMh I Drmn ew× cvq| G c×wZtZ cvıVi wclq mskœ ev`e` ev cŁ`vıvte cŁµqv t`wLtg eYv, Avtj vPbv ev cŁœDEıi gva`tg avıYv jvtf mnvqZv Kiv nq| thgb- GKw Rev dtj i Ask_tjv t`wLtg dtj i Ask_tjvi m=útk`aviYv ARB mnvqZv Kiv; tkwYKtq wKv` i mvgtb hšcwZ msthrb Kti `ıi mv` cvZjv muj wclDwi K GwW wgwktq nvBtWtRb cŁZ Kti t`Lvbtv BZ`w`|

AtbK tqt` ev`e` ev NUbv mi vmi t`Lvbtv m=é nq bv| tmqt` Aaev`ıei mnvth` avıYv jvtf mnvqZv Kiv hvq| thgb- P` ev mhMhY m=útk`aviYv jvtfi Rb` tkwYKtq wmw ev wvfwıi gva`tg gwewgwWqvq cw_ex I Ptt`i wR wR Kq|ct` NYB t`wLtg MhY NUvi wclqı cwi`vi Kiv hvq| cŁR±i ev gwewgwWqv bv_vKtj PttU` gva`tg t`Lvbtv hvq| tiıv-tcœc×wZtZi tkLvbtv hvq| tqt` wtkl wKv` i tK tkwYKtq evBti wbtq ev`e` NUbv cŁ`vıvte t`wLtg wKv` jvtf mnvqZv Kiv hvq| thgb- fvgqtqı KviY_tjv cŁ`vıv t`Lvbtv hvq| m=é ntj HwZnmK`vıv wbtq wewfbœw`kœ t`wLtg I eYv Kti avıYv jvtf mnvqZv Kiv hvq| thgb- Kvgj vi tKvUewo kvj eb wenvıi cwi`kœ wbtq ZrKvj xb teš×mf`Zv m=útk`RvbtZ mnvth` Kiv|

c0k0 c×wZtZ wkqiv_ŕi AbjñUrmv ep× cvq| mnR mñVK aviYv jvf KitZ cvti | wkLb AtcŕivKZ `xN°vqx nq| c0k0 c×wZtZ jŕi ivLtZ nte thb me wkqiv_ŕi úó t`LtZ cvq|

12. AbjñÜbgj K Kvŕi aib

AbjñÜbgj K Kvŕi gjZ KgŕKw`K c×wZ| wVDBi mñpuzv ZtEj wfvEtZ cwi Pwj Z G c×wZtZ wkýv_xŕv GKkfvtē ev `jMZfvte wbtRt`i c0Povq wbggZwšK c×wZtZ wkýv jvf Kti _vtK| G c×wZtZ wkýv_xŕvKvŕi wēlq ev NUbv ev mgm`vi KviY, djvdj , c0Zñpuzv BZ`w` D`ñvUv Kti | bv_cĪ chŕj vPbv, cwi`k0, chŕeŕjY, mñŕivKvi MñY bvbvfvte AbjñÜv Kvŕi cwi Pwj bv Kiv hvq| | D`vniY-

- hēmgvŕi AvKvk ms`wzi c0Z cēYzv ep×i KviY I djvdj
- wkĪ AĀtj evqy`ttYi KviY I djvdj
- Lv` Drcv`tb AwZgvĪvq ivmñqñk KxUvbkK `ē` e`enŕti i c0Zñpuzv

12.1. AbjñÜbgj K c×wZtZ wkLb cñpuzv

c0Z`KwU AbjñÜvbi Rb` GKwU wēlq ev mgm`v wēŕŕb KitZ nq| G c×wZtZ hveZxq Kvŕiŕg c0vzbZ cūPwU chŕq cwi Pwj Z nq| chŕq _tjv nt`Q-

- K. mgm`v/DtĪk` wbaŕi Y
- L. cwi KĪ bv cŕqb
- M. Z` msMñ
- N. Z` wētkdY
- O. c0Ztē`b cŕqb

me`c0tŕg Kvŕiŕgi mgm`v wPwYz Kiv ev DtĪk` wbaŕi Y KitZ nq| w0Zxq chŕq mgM0Kvŕiŕgi Rb` cwi KĪ bv cŕqb KitZ nq| DtĪk` ARŕbi Rb` Kx Kx KitZ nte, tKvñwU wkfvte, Kx w`tq, KLb KitZ nte-G meB cwi KĪ bv _vtK| Z` msMñ AbjñÜbgj K Kvŕi GKwU _iazŕY`ŕi | c0Bgwi ev tmK0vñi Drm ntZ Z` msMñ KitZ nte| PZy`chŕq Z` wētkdY I djvdj cŕqb KitZ nte| meŕkl wkýv_x m=úY`AbjñÜbgj K Kvŕi Dci GKwU c0Ztē`b cŕqb Kite|

13. wkLb- tkLvŕbv Kvŕiŕg m=úY`KŕiqKwU K_v

wkLb-tkLvŕbv c×wZ I tKšKj AtbK aiti | Gi KŕiqKwU wkŕiKŕKw`K Ges KŕiqKwU wkŕiv_ŕKw`K | wkLb-tkLvŕbv cñpuzv wkŕiv_ŕi mñpuzv AskMñY wkŕivj vŕf mñvqK| me c×wZiB Kgŕewk mñeav I Amñeav AvtQ| Ggb tKvŕbv c×wZ ev tKšKj tbB thwU mKj wkŕiv_ŕi Rb` mgfvte DcŕhvMx ev me aiti wēlqē`i Rb` DcŕhvMx| wkŕiŕKi wēwfbac×wZ I tKšKtj i Dci `ŕjZv Ges tkŕiY I cvV DcŕhvMx c×wZ I tKšKtj i h_vh_ c0qvŕMi Dci wŕfŕ Kti wkŕiv_ŕi wkLb mvdj` | Ggb tKvŕbv eva`evaKZv tbB th GKwU cvV cwi Pwj bvq wkŕiŕK GKwU c×wZi Dci wŕfŕ KitZ nte| cvVtK dj cñ-Kivi Rb` wkŕiŕK cwi w`wZ Abjñvŕi GKwaK c×wZ I tKšKtj i mñgkŕY wbtRi gŕZv Kti cvV cwi Pwj bv KitZ cvŕib| cvŕvi mvdj` wŕfŕ Kti wkŕiŕKi wēPŕjYz, wēlqAvb I wkLb c×wZi h_vh_ c0qvŕMi Dci | GRb` ejv nq wkŕiŕKB mŕŕKó c×wZ| wkŕiv_ŕKw`K wkLb-tkLvŕbv c×wZ eūwea| GLvŕb gvĪ KŕiqKwU wkŕiv_ŕi mñpuzv mŕŕŕŕc Dc`vcb Kiv ntjv| Zte wkŕiŕKi Avak msL`K c×wZ I tKšKtj i Dci `ŕjZv _vKv c0qvŕRb| Zvntj wZvb th tŕŕt th c×wZ DcŕhvMx Zv c0qvŕM KitZ cvŕib| c0qvŕRb GKwaK c×wZi mñgkŕY wbtRi gŕZv Kti cvV cwi Pwj bv KitZ cvŕib| cvV cwi Pwj bvi mgq wkŕiŕK hw` eŕŕtZ cvŕib th c0qvŕMKZ c×wZ wkýv_xŕi wkLb dj cñ-nŕ`Q bv ZLb wZvb c×wZ cwi eZ0 KitZ cvŕib| ZvB wkŕiŕKt`i eū c×wZi Dci `ŕjZv _vKv Avek`K |

14. wkýv_xŕgj`vqb

mñaviY At`wkýv_ŕi gj`vqb ntjv wkýv Kvŕiŕg t`tK wkýv_ŕi ARŕbi gvĪv wŕYŕ Kiv| A`ŕi wkýv_ŕi DŕjñLZ ce`wbaŕi Z wkLbdj wkýv_ŕi KZUv AR0 KtiŕQ Zv wbiŕcYB wkýv_ŕi gj`vqb| hw` I gj`vqb K_wU i wē`ñZ AtbK e`vcK| Avgiv wēwfbamŕgtq bvbvfvte wkýv_ŕi gj`vqb Kti _wK| gj`vqŕbi mgq I aib wēŕŕŕb wkýv_ŕi gj`vqb c0vzbZ `ŕ avivi : (K) MvBkvj xb ev avivewñK gj`vqb Ges (L) mñgñK gj`vqb | Avgiv cvV Pj vKvj xb ev wŕw`0 cvV`vsk t`tK wkýv_ŕi AR0 gj`vqb Kti _wK| G gj`vqb avivewñK ev MvBkvj xb gj`vqb | Avevi Avgiv wŕw`0 mgq tktl ev Kvŕiŕg tktl mñgñqK cixyv, ewlŕ cixyv, GmGmñm cixyv BZ`w` cixyvi gva`tg gj`vqb Kti _wK| G aiti gj`vqb nj

mvgwóK gj`vqb | avivevwnK I mvgwóK DfQ avivi gj`vqtbib c0qRb AvtQ | Zte avivevwnK gj`vqtbib iaz;AþK teik | KviY-

- avivevwnK gj`vqtbib gva`tg wkyv_ñ wPwYz wLb `pPZv ZvrywYK wbt`Rbv c0vqbi 0viv wbigggj K e`e`v tbi qv hvq |
- wkyv_ñ nvtZ-Kj tg e`enwi K KvR Kivi c0uqv chfeytYi gva`tg gj`vqb Kti wbt`Rbv t`l qv hvq |
- wkyv_ñ wetkl wQz `yZv, thgb- tkvbn, ejv, cov BZ`w` Kg mgtq, Kg LiþP I mntR cwi gyc Kti avtc avtc wbt`Rbv t`l qv I wbigggj K e`e`v tbi qv hvq | mvgwóK gj`vqtbib gva`tg AþK tytI Gme `enkto`i gj`vqb Kiv mæe nq bv |
- wkyv_ñ AvteMxq w`Kmgñ wetkl Kti e`w`K I mvgwRK AvPiY Ges gj`teva c0`y chfeytYi gva`tg gj`vqb Kti wbt`Rbv t`l qv hvq |
- G gj`vqtbib gva`tg wkyK Zwi e`eüZ wLb tkLvtbv c×wZ I tKStj i h_v_Zv I dj chZv wbañY Kti ev `pPZv wPwYz Kti c0qRbxq cwi eZ0 AvbtZ cvtib |

15. avivevwnK gj`vqb

avivevwnK gj`vqtbib gva`tg wkyv_ñ `pPZv wPwYz Kti wbt`Rbv t`l qv hvq Ges c0qRtb wbigggj K e`e`v MñY Kiv hvq |

ersjvt`tk 60 t`tK 10g tkñY chSÍ wbañj wLZ `Bw tytI avivevwnK gj`vqb Kvhpug Pj te |

1. welaqwfñEK epxeE`xq I gtbvtcwkR tytI avivevwnK gj`vqb
2. AvteMxq tytI avivevwnK gj`vqb

15.1. welaqwfñEK epxeE`xq I gtbvtcwkR tytI avivevwnK gj`vqb

- welaqwkYK welaqwfñEK epxeE`xq I gtbvtcwkR tytI avivevwnK gj`vqb Kiteb
- c0Zw welaq avivevwnK gj`vqtbib Rb` eivI KZ baf 20%

c0Zw welaq avivevwnK gj`vqtbib tytI I baf eEb :

tytI	baf
K. tkñYi KvR	10
L. emoi KvR I AbmUvbgj K KvR	05
M. tkñY Afxyv	05
tgwU	20

c0Z welaq wkyK KZR `^`^ welaq c0Z wkyv_ñK 20% bafii wfwE`tZ avivevwnK gj`vqb Kti wbañi Z Q`K gj`vqb ti KW`msi`yY Kiv nte |

15.1.1. tkñYi KvR

- wLb-tkLvtbv Kvhpug Pj vKvj xb wkyv_ñKZR mæuwi Z hveZxq KvR tkñYi KvR wmwte wetePZ | welaqf`tkñYi KvRi aith Zvi Zg`_vKtZ cvti | Awakusk tytIB c0kæ DEi ejv ev tj Lv, AvKv (wP`/Ome, mviwY, gvbwP`T, tj LvP`T), Avtj vPbv I weZtK`AskMñY, Pwi`-Awfbq, e`enwi K KvR-G aithi me wKOB tkñYi KvR | ersjv I BstiwR welaq tkvbn, ejv, cov, tj Lv BZ`w` tkñYi KvR wmwte wetePZ nte |
- c0Zw welaqi Rb` c0Z mvgwq`K wZbw tkñYi KvRi gj`vqb ti KW`msi`yY Kiv nte | thme welaq e`enwi K KvR AvtQ (weÁvb, c`v`weÁvb, imvqb, RxeÁvb, Kul wkyv, Mm`weÁvb, kvixi K wkyv I `v`, Kg`I Rxebglx wkyv BZ`w`) Hme welaq GKw e`enwi K KvR I `wU tkñYi KvRi ti KW`msi`yY nte |
- welaqwkYK KZR wbañj Zfite c0Z`K wkyv_ñK gj`vqb Kiv nte Ges c0Z `B g`tm GKeri Kti c0Z mvgwq`K (Oq g`tm) 3evi gj`vqb ti KW`msi`yY Kiv nte |

15.1.2. emoi KVR

- ɤkŷv_x^oemoiZ ɤkŷv_x^omuŋw^oŋEK th KVR_x^otv m^oub^oekiti ZvB emoi KVR | emoi KVR ɤkŷv_x^oGKKfite m^oub^oekite GuvB cŷ^oɤkZ | ɤkŷK ɤb^oŋZ nteb th, ɤkŷv_x^oGKvB KVRuW m^oub^oekiti:0 | emoi KVRi gra^otg ɤkŷv_x^o ɤPŠb `ŷZv Ges e^oŋ^oK AvPiY I gj^oteva gj^ovqb Kiv nte | emoi KVR gj^ovqb Kti ɤkŷK ɤkŷv_x^oitK cŷ^oqvrBxq ɤkLb mrvqZv w^oteb | ɤkŷv_x^oti ɤkLbd^oti Pm^ovi Dci w^oŋE Kti ɤkŷK emoi KVR w^oteb |
- j^oŷ ivL^otZ nte emoi KVR thb ɤkŷv_x^oŋK gj^o Kivq DrmwnZ bv Kti | emoi KVR Ggb n^oZ nte thb ɤkŷv_x^o ɤPŠb `ŷZv ɤKvK Ges mRbkxj Zv cKv^otki m^othM_x^otfK |
- tkŷK^oŷ AvRZ aviYmgn ɤPŠi I KVR cŷ^oqM Kivi m^othM thb emoi KVR_x^otfK | emoi KVR thb ɤkŷv_x^oŋK mRbkxj cŷ^oŋK cŷ^oŋZ mrvh^o Kti tm^oŋK_x^oiaZi w^oŋZ nte | ɤkŷv_x^oŋK ɤkLb tkL^otvb Kvh^oŋK Kjt^oŋK cŷ^oE emoi KVR bg^oŋv mrvte Ab^oniY Kiv th^oZ c^oti |
- cŷ^oŋW ɤel^oti emoi KVR_x^otv Ggb nte hv ɤkŷv_x^o 20-25 w^oŋbt^oUi g^ota^o m^ou^ob Ki^oZ c^oti | ɤkŷK cŷ^oŋK m^oŋq^otfK tkŷ^oŋZ cŷ^oqvrBxq m^oL^oK emoi KVR w^oteb | Zte tiKW^omsi^oŷ^oYi Rb^o Iŋ t^oŋK Aŋg tkŷ^oŋZ ɤe^oAvb, ɤsvj^ovt^ok I ɤek^owiPq, Z^o I th^oM^oth^oM cŷ^oŋ^o, Kg^oŋ Riebg^oLx ɤkŷv Ges K^owi^oŋi ɤkŷv ɤel^oti cŷ^oŋK m^oŋq^otfK `ŋW emoi KVRi gj^ovqb I tiKW^omsi^oŷ^oY Kiv nte | Iŋ t^oŋK Aŋg tkŷ^oŋZ ɤe^oAvb ɤel^oti Rb^o 3w^o emoi KVRi gj^ovqb I tiKW^omsi^oŷ^oY Kiv nte | beg I `kg tkŷ^oŋZ Hw^oOK ɤel^oq Qrov mKj ɤel^oti cŷ^oŋK m^oŋq^otfK `ŋW emoi KVRi gj^ovqb I tiKW^omsi^oŷ^oY Kiv nte | tiKW^omsi^oŷ^oYi Rb^o m^ote^oP b^oŋ cŷ^oB emoi KVR_x^otvK ɤetePbv Ki^oZ nte | ɤkŷK th tkŷ^oŋZ b^oŋi emoi KVR w^oŋZ c^oti | Zte G^oZ cŷ^oB b^oŋ^oŋK 5 Gi g^ota^o cŷ^oB b^oŋi i^oŋv^oŋi Kti tiKW^omsi^oŷ^oY Ki^oZ nte | i^oŋv^oŋi ci f^oMusk b^oŋ n^oŋ f^oMusk b^oŋ mrvte msi^oŷ^oY Ki^oZ nte |

15.1.3. Ab^oniYbgj K KVR

Ab^oniYbgj K KVRi gra^otg ɤkŷv_x^o m^oŋm^ov m^oŋv^orb `ŷZv Ges ɤPŠb `ŷZvi ɤe^oKvK N^oŋ | Ab^oniYbgj K KVRi Rb^o K^oŋK N^oŋ t^oŋK K^oŋK w^oŋ^oŋi cŷ^oqvrB n^oZ c^oti | ɤkŷK ɤel^oti ɤb^oŋiY Kti t^oteb |

ɤb^oŋiZ avc Ab^oniY Kti Ab^oniYbgj K KVR m^oub^oekitiZ nte | Iŋ t^oŋK Aŋg tkŷ^oŋ ch^oŋi m^oŋm^ov ɤPŋyZ Kiv, cwi^oK^oŋi bv cŷ^oqB I Z^o m^oM^oŋi ch^oŋyY Uj m^oŋm^oWdj /cŷ^oŋy^o cŷ^oqB ɤkŷK Kti w^oteb | Z^o m^oM^oŋ Ab^oniY KVRi GK^oŋ t^oŋŋ K^oŋk^o hv ɤkŷv_x^oŋbt^oRiv m^oub^oekite | Z^o m^oM^oŋ h^oZ^o m^oe ɤkŷv_x^o cwi^oŋi, cŷ^oŋte^oK Ges ɤb^oKU Gj^ovKiv m^oŋv^oŋ ivL^otZ nte | Z^o m^oM^oŋ ɤkŷv_x^o ɤb^oŋv^oc^oŋi ɤel^oti ɤetePbv ivL^otZ nte | Z^o m^oM^oŋ ɤkŷv_x^o thb ɤeeZ^oKi Ae^ovq bv c^oŋ ɤkŷK Zv ɤb^oŋZ Ki^oteb | ɤe^oAvb ɤel^oq^oŋŋi Rb^o Z^o m^oM^oŋ M^oŋel^oY^oM^oti cix^oŷ^oYi gra^otg n^oZ c^oti | Ab^oniYbgj K KVR i^oŋi m^oŋM^ocŷ^oŋq ɤK^oŋte m^oub^oekitiZ nte ɤkŷK Zv ɤŋ^oŋq w^oteb |

cŷ^oB^oŋi I tm^oŋKŊwi Drm n^oZ Z^o m^oM^oŋ Kiv hv^ote | ɤkŷv_x^oZ^o ɤel^oti^oŋi gra^otg dj^ovdj cŷ^oqB Ges dj^ovd^oti Dci gZv^oZ w^ote | m^oŋM^oKvh^oŋ^oŋi Dci GK^oŋ cŷ^oŋte^ob i^oPbv Ki^oZ nte | cŷ^oŋte^oŋ m^oub^oekiti^oŋ eY^oŋv_x^otfK | cŷ^oŋte^ob cŷ^oŋ^oŋi ɤb^oŋ^oŋ ɤkŷK w^oteb | Ab^oniYbgj K KVR ɤkŷv_x^oŋv `j MZ^of^ote m^oub^oekite | Zte Z^o ɤel^otiY, dj^ovdj cŷ^oqB, dj^ovd^oti Dci gZv^oZ cŷ^oŋv Ges ɤi^oŋv^ocŷ^oqB ɤkŷv_x^oGKKfite m^oub^oekite | G KVRi gj^ovqb nte GKK gj^ovqb | beg I `kg tkŷ^oŋZ ɤkŷv_x^oŋv ɤkŷ^oŋi b^oŋZg mrvh^o ɤb^oŋ Ab^oniYbgj K KVR m^oub^oekite | ɤkŷK th tkŷ^oŋZ b^oŋi Rb^o Ab^oniYbgj K KVR w^oŋZ c^oti | Zte G^oZ cŷ^oB b^oŋ^oŋK 5 Gi g^ota^o cŷ^oB b^oŋi i^oŋv^oŋi Kti tiKW^omsi^oŷ^oY Ki^oZ nte | i^oŋv^oŋi ci f^oMusk b^oŋ n^oŋ f^oMusk b^oŋ mrvte msi^oŷ^oY Ki^oZ nte |

15.1.4. tkW Afxyv

cWZw Aa'vq tktl tkW Afxyv tbl qv nte| Zte Awak baf cWb Afxyvi baf tiKWivLv nte| tkW Afxyvi DEicT wkyv_K t' Llevi ci tdiZ vbtq msiyY Kiv nte| thme welta e'enwi K KvR AvtQ Hme welta `WU e'enwi K I GKwU wj wLZ Afxyvi tiKWmsiyY Kiv nte| Ab'vb' welta wZbuU wj wLZ Afxyvi tiKWivLv nte| e'enwi K KvRi gj'vqtb i gvb`E tkWtZ m'uw` Z e'enwi K KvRi Abjfc nte| tkW Afxyv wj wLZ ev e'enwi K nte| cWZwU tkW Afxyv `f mgq tbl qv nte| welta i Rb' wbaW Z Kw m'wci qW tbl qv nte| wbaW Z GK Kw m'wci qWi AwZwi 3 mgq tbl qv hte bv| tkW Afxyvi w' b tkW Ab'vb' wci qWi `fweK KvRKg'h_viz Pj te|

16. AvteMx tytli avivewNK gj'vqb

wkyvutg wkyv_xp e'w3K Dbqtb i Dci _iaZ; Avivc Kiv ntqtQ| GKRb wkyv_x i aytagavex ntj B nte bv ZvtK fvtjv gvb| I ntZ nte| fvtjv gvb| i _Yvej ARB KiZ nte| GKRb wkyv_x'fvtjv gvb| wKbv Zv RvbtZ ntj Zvi AvPiY I `wofwZ gj'vqb KiZ nte| avivewNK gj'vqtb i gva'tg wkyv_xp e'w3K AvPiY I mvgwRK gj'teva gj'vqb Kiv nte| w'vj tq wkyv_xp i AvPiY I mvgwRK gj'teva tKvtrv GKwU NUbv ev Bmj w'tq ZrvyWYKfvte gj'vqb Kiv hvq bv| w'vj tq wkyv_xp tkW i KvRi cvkvcwk cWZwbqZ eu KgRvtE AskMAY Kite| G_tjv ntjv `wbK mgvtek, tLjvajv I μov, mvs`wZK Kvhpug, wkyv mdi I cwi`k, RvZxq w'em D`hcb, agrq Abp'v, weAvb tgjv, MwZ Awj w'wqW, etqR `wDum, Mj hMBW, weGbwmm Ges cwi'tek msiyY i Kvhpug BZ'w | wkyv_xp i w'fbaKgrvtEi ga' w'tq `xN' ch'eyYi gva'tg Zvt' i AvPiY I gj'teva m'w'fK GKwU w'f'p'hwM' gj'vqtb Avmv hvq| wkyvutg AvteMx tytli wLbdj gj'vqtb i AvLzq Avbv ntqtQ| G tytli th _Yvej I gj'teva cwi gvtci AvLzq Avbv ntqtQ tm_tjv nj - wqg'v'wZv, t'ktg, tbZZ; mZZv, k;Ljv, mnt'hwMz, m'w'q AskMAY, m'w'Zv, m'PZbZv I mgq'v'wZv| tkWwkyv K Ab'vb' w'wkyv'ki m'v' c'v'gk'Kti AvteMx tytli gj'vqb Kiteb I tiKWmsiyY Kiteb|

17. mvgwK cixyv I cvej K cixyv

RvZxq wkyvug 2012 Gi wbt' Rbv Abjvti w'vj tqi wkyvel© Oq gume'vcx `WU mvgwqK f'vM Kiv nte| cWZ Oq gvtm GK mvgwqK wmvte cWZ wkyv eQti `WU mvgwqK cixyv AbjvZ nte| cWZ mvgwqK cixyv tktl avivewNK gj'vqtb cWb baf'K GKwI Z Kti `WU mvgwqK cixyv cWb baf Ges avivewNK gj'vqtb cWb baf' i mgstq cWZ wkyv_xi cieZ'P'PZI tkW ev Kvhpug DbwZ Kivi w'elq wetePbv Kiv nte|

mvgwqK Ges cvej K cixyvi ckeT c'v'q' Ges DEicT gj'vqb mRbkj cke'wzi wbt' Rbv Abjvti m'w'wZ nte| wkyv etl'p' i'atZ w'elq'wkyv c'w' wkyv'ki m'v' c'v'gk'Kti wkyv'utg cW' E Aa'vqmgatK `WU mvgwq'ki Rb' eEb Kiteb| w'vj tqi Kvhp' etmi cwi gvti Dci w'f'w' Kti Aa'vqmgatK mvgwq'K eEb Kitz nte| cW' mvgwq'K gj'vqbKZ Aa'vqmgatK wZxq mvgwq'K gj'vqtb i Rb' e'envi Kiv hvte bv| Zte Aog I `kg tkW i cvej K cixyvi (JSC, SSC) Rb' GB wbt' Rbv c'w'v' bq| w'elq'wkyv tm Abjvti c'w Kvhpug cwi Pjv bv Kiteb| mvgwqK tktl **Abjvq cixyv wkyvutg w'elq Ges c'ti Rb' eiv'KZ c'w' baf' nte| wkyvug i'f'ciLvi w'elq'w'w'v' w'elq' c'w' baf' t' l' qv AvtQ|**

mRbkj cke'wzi cke't' `B a'v' cke'v'Kte| GKwU nt'Q e'w'v'v' cke Ges AciuU nt'Q mRbkj cke' e'w'v'v' cke't' wZb a'v' e'w'v'v' cke _v'Kte| G_tjv nt'Q m'v'v' e'w'v'v' cke' e'w'c`x mgw'w'PK e'w'v'v' cke Ges Avf'w'Z' w'f'w'K e'w'v'v' cke' e'w'v'v' cke't' w'Psb `y'v'v' Pvi `t' i cke'Av'w'v'Z'Kv'v' _v'Kte| mKj Aa'v'q'K cixyvi AvLz'v'f' KiZ nte| cke' c'v'q' b' c'w'v'v' RK QK `Zvi KiZ nte| cWZw mRbkj cke GKwU D'ix'c'K _v'Kte Ges D'ix'c'Ki m'v' 4wU cke'v'Kte| cke'4wU w'tq w'Psb `y'v'v' PviU `li (Avb, Av'v'v'v', c'w'v' Ges D'PZI `y'v'v') hv'v'v' Kiv nte| baf' c'w'v' wbt' w'Kv Abjv'v' Kti DEicT gj'vqb KiZ nte|

Ինչպե՞ս Ծագել է մեր Կրկնը

1. Ինչպե՞ս Ծագել է մեր Կրկնը		
Կրկն	Ծագումը	Կրկնի Ծագումը
1.	W. Krigj Ave`j brtmi tPšajx mipe, Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
2.	DcuPih, Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
3.	W. Kvrj Lj xKš4vrb Avng` tPqvi g`vb, ersj vt`k Dbqrb cui l` l mfvicuz, ersj vt`k A_šmZ miguZ	m`m`
4.	hM-mipe (gva`ngK), Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
5.	gnvcii Pvj K, gva`ngK l D`Puk`yv Aia`Bi , XivKv	m`m`
6.	gnvcii Pvj K, Ինչպե՞ս Ծագել է մեր Կրկնը, avbgmU, XivKv	m`m`
7.	gnvcii Pvj K, ersj vt`k Kwii Mii Ինչպե՞ս Ծագել է մեր Կրկնը, AvMvi Mii , XivKv	m`m`
8.	cwi Pvj K, AvBBAvi , XivKv Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
9.	cšdmi tgrt tgr`tdv Kvgj Dii`b tPqvi g`vb, Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`
10.	tPqvi g`vb, gva`ngK l D`Pgva`ngK Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
11.	tPqvi g`vb, ersj vt`k Kwii Mii Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
12.	tPqvi g`vb, ersj vt`k gr`šm Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
13.	m`m` (Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`
14.	cšdmi W. gnr`š Ridi BKej mefiMq c`vb, Kuv`Duri mtqY GÜ Bivbqmi s mefM, kvRvj vj meAvb l cšp` Ինչպե՞ս Ծագել է մեր Կրկնը, mtj U	m`m`
15.	W. tgrt uOii`Kä i`ngvb cš`b Aa`vcK l cwi Pvj K, Ինչպե՞ս Ծագել է մեր Կրկնը, Bbiv`WUDU XivKv Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
16.	Aa`vcK W. tgrt AvLZvi š4vrb Bmj vtgi Buznm l ms`wZ mefM, XivKv Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
17.	Aa`vcK kvrb gnr`šv Kexi Bš`i mR mefM Rvni`zi bMi Ինչպե՞ս Ծագել է մեր Կրկնը, mfvii , XivKv	m`m`
18.	m`m` (cš`ngK Ինչպե՞ս Ծագել է մեր Կրկնը, Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`
19.	m`m` (cV`cj`K), Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`
20.	cKf cwi Pvj K, GmBgmWic, gva`ngK l D`Puk`yv Aia`Bi , Ինչպե՞ս Ծագել է մեր Կրկնը, Feb, XivKv	m`m`
21.	Dc mipe (gva`ngK), Ինչպե՞ս Ծագել է մեր Կրկնը, ersj vt`k mipej q, XivKv	m`m`

2. Կրկնի Ծագումը		
Կրկն	Ծագումը	Կրկնի Ծագումը
1.	cšdmi tgrt tgr`tdv Kvgj Dii`b tPqvi g`vb, Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`
2.	gnvcii Pvj K, gva`ngK l D`Puk`yv Aia`Bi , XivKv	m`m`
3.	gnvcii Pvj K, Ինչպե՞ս Ծագել է մեր Կրկնը, e`icbr GKvtWgx, avbgmU, XivKv	m`m`
4.	cwi Pvj K, AvBBAvi , XivKv Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
5.	gnvcii Pvj K, ersj v GKvtWgx, XivKv	m`m`
6.	gnvcii Pvj K, Bmj vngK cV`Dškb ersj vt`k, XivKv	m`m`
7.	Rbve gbRj`š Avnrvb ej ej c`vb m`uv`K, `ekvLx tUvj wfvkb vj vgtUW, XivKv	m`m`
8.	cKf cwi Pvj K, GmBgmWic, gva`ngK l D`Puk`yv Aia`Bi , Ինչպե՞ս Ծագել է մեր Կրկնը, Feb, XivKv	m`m`
9.	tPqvi g`vb, gva`ngK l D`Pgva`ngK Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv l mfvicuz, ersj vt`k AvšK teW`ngšq mve KvgmU	m`m`
10.	tPqvi g`vb, ersj vt`k gr`šm Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
11.	tPqvi g`vb, ersj vt`k Kwii Mii Ինչպե՞ս Ծագել է մեր Կրկնը, XivKv	m`m`
12.	Aa`vcK Avaj`m Aveymqx` cwi Pvj K, mektmWZ` tK`š, XivKv	m`m`
13.	W. tgrt uOii`Kä i`ngvb civgkR, GmBgmWic, gva`ngK l D`Puk`yv Aia`Bi , XivKv	m`m`
14.	Aa`vcK Kvdj D`xb Avntg` civgkR, cš`ngK Ինչպե՞ս Ծագել է մեր Կրկնը, DBs, GbimUie, XivKv	m`m`
15.	cšdmi gnr`š Avj x cš`b m`m`, Ինչպե՞ս Ծագել է մեր Կրկնը, GbimUie, XivKv (emv-šmBKÜ-tgrfm 8g Zj v (cš`g), 6/9, ek-m, j vj gmdqv, XivKv-1207	m`m`
16.	Wxb, Pvi`Kj v Aby` , XivKv Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
17.	cšdmi miv gr AvLZvi AvBBAvi , XivKv Ինչպե՞ս Ծագել է մեր Կրկնը,	m`m`
18.	Aa`v, Ինչպե՞ս Ծագել է մեր Կրկնը, Ktj R, XivKv	m`m`
19.	m`m` (Ինչպե՞ս Ծագել է մեր Կրկնը, Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`
20.	c`vb Ինչպե՞ս Ծագել է մեր Կրկնը, Meb`šgU j `v`i Uii` nvB`š , avbgmU, XivKv	m`m`
21.	Rbve tgrkZiv Avntg` fBqv meZiY vqšK, Ինչպե՞ս Ծագել է մեր Կրկնը l cV`cj`K teW`XivKv	m`m`-mipe

3. tUKubK`vj Kugul		
μugK	bvg I c`ve	KugulZ c`ve
1.	c0dmi tgrt Ave`j ReIvi c03b cwi Pvj K, bvtqg, XvKv (emv bs-7, moK bs-11, tm±i bs-4, DEiv gftWj UvDb, XvKv-1230)	AvnevgK
2.	Aa`vcK W. Aveynug` j wZd mꝑvi ubDgwi Aa`vcK, AvBBAvi, XvKv wekte`vj q, XvKv	m`m`
3.	c0dmi Ave`jn mꝑnvb c03b grncwi Pvj K, c0ugK uk`v Avā`Bi (m-8, emv bs-52, tiwW bs-6/G, avbgmU AvevmK Gj vKv, XvKv)	m`m`
4.	Aa`vcK W. tMj vg imj wgv c03b Aa`v, wPm`v UibS Ktj R, XvKv (emv bs-47, tiwW bs-02, tm±i -09, DEiv gftWj UvDb, XvKv-1230)	m`m`
5.	W. tgrt wQv` Ki ingrb ci vgrK GmBGmMw, gva`vgK I D`Puk`v Avā`Bi, uk`v Feb, XvKv	m`m`
6.	c0dmi W. tgrt bvrGj Kwi g tPaj x e`e`vcv wefvM, XvKv wekte`vj q, XvKv	m`m`
7.	W. Avāj gvtj K Aa`vcK, AvBBAvi, XvKv wekte`vj q, XvKv	m`m`
8.	Rbve tgrv`\$ RwkI tnrmb uk`v μg wekI A GmBGmMw, GbimUe, XvKv	m`m`
9.	Rbve kvnbv iv telMg wekI A, GbimUe, XvKv	m`m`
10.	Rbve tgrt tgrLtj m Di ingrb wekI A, GbimUe, XvKv	m`m`
11.	Rbve tgrt di nv`j Bmj vg EaYzb wekI A, GbimUe, XvKv	m`m`-mPe

4. tfuls Kugul		
μugK	bvg I c`ve	KugulZ c`ve
1.	evsj v	1. Aa`vcK Ave`j m Aveymvq` cwi Pvj K, wekfmwZ` tK` ; XvKv 2. c0dmi bi Rvnb telMg Aa`v, mi Kwi weAvb Ktj R, XvKv
2.	BstivR	1. c0dmi Ave`jn mꝑnvb c03b grncwi Pvj K, c0ugK uk`v Avā`Bi, XvKv (m-8, emv bs-52, tiwW bs-6/G, avbgmU AvevmK Gj vKv, XvKv) 2. c0dmi tgrt kvgmj nK c03b Wvb, evsj v`k Dbv` wekte`vj q, MvRvcj (emv bs-25, G`vclUfgU-we-5, tiwW bs 68G, j kvb-2, XvKv-1212)
3.	MwZ	1. c0dmi W. tgrt Avāj gwZb MwZ wefvM, XvKv wekte`vj q, XvKv 2. c0dmi W. tgrt Avāj Ovgv` MwZ wefvM, XvKv wekte`vj q, XvKv
4.	weAvb	1. c0dmi W. tgrt AwRRj ingrb c`v weAvb wefvM, XvKv wekte`vj q, XvKv 2. Rbve tgrv`\$ bfi Avj g wmi`Kx mnhMx Aa`vcK, AvBBAvi, XvKv wekte`vj q, XvKv
5.	evsj v`k I wekcv Pq	1. c0dmi W. nvi ab Di i uk` i vóteAvb wefvM, XvKv wekte`vj q, XvKv 2. W. `mq` nwdRj ingrb mnhMx Aa`vcK, cwi tek weAvb wefvM Rvrv/xi bMi wekte`vj q, mfvvi, XvKv
6.	Z` I thvMvthvM c0v`	1. c0dmi W. grv`\$ Rvdi Bkevj KwúDUvi mvtqY GÜ BvAvbqwi s wefvM kvrvj vj weAvb I c0v` wekte`vj q, wntj U 2. Rbve tgrt mvdj Avj g Lvb mKvix Aa`vcK, Z` c0v` BvUvUvU, XvKv wekte`vj q, XvKv
7.	cwi tek cwi vPvZ	1. c0dmi W. G Gm Gg grKmj Kvgj fZÉ; wefvM, XvKv wekte`vj q, XvKv 2. c0dmi W. tgrt Lexi DÍ xb cwi tek weAvb wefvM, Rvrv/xi bMi wekte`vj q, mfvvi, XvKv

5. **ukývµg Dbqþ Kugul**

weiq: Z_ I thvlthvl chþ³		tkŃ: Ió- kg
µvgK	bvg I c`ve	KugulZ c`ve
1	W. mjvBqv cvi fxb Aa`vcK, KŃuDUvi mvtqm wefvM XvKv wekte``vj q, XvKv	AvnevgK
2	W. gvneþ Avnmvb Lvb mnKvix Aa`vcK, AvB.Avi XvKv wekte``vj q, XvKv	m`m`
3	Rbve dvi Rvbn Avt dxb mnKvix ukŃK, tkŃi evsj v bMi mi Kwii ewj Kv we`vj q, XvKv	m`m`
4	Rbve kvgmþ/vnub j rdlv mnKvix ukŃK, gvZvSj AvBvWqv `j GŮ Ktj R, XvKv	m`m`
5	W. Avej Kvj vg tgv i wdkj Ńn Kwii Kj vg weŃkI Á, GmBGmWvc, GbimUve, XvKv	m`m`
6	Rbve tgv tgvLtj m Di ingvb weŃkI Á, GbimUve, XvKv	m`m`
7	Rbve tgv gbweŃi tnvŃmb Kwii Kj vg weŃkI Á, GmBGmWvc, GbimUve, XvKv	m`m`
8	Rbve j rdlv ingvb Kwii Kj vg weŃkI Á, GmBGmWvc, GbimUve, XvKv	mgšŃKvix

weiq: KgŃ Riebgt. ukýv		tkŃ: Ió-Aóg
µvgK	bvg I c`ve	KugulZ c`ve
1	W. tgnZve Lvbg Aa`vcK, gŃbveÁvb wefvM, XvKv wekte``vj q, XvKv	AvnevgK
2	Rbve tgv gwRej ingvb mnKvix Aa`vcK, AvB.Avi, XvKv wekte``vj q, XvKv	m`m`
3	Rbve kvnvi qvi nvq`vi cŃvl K, AvB.Avi, XvKv wekte``vj q, XvKv	m`m`
4	Rbve tgv di nv`j Bmj vg EaŃZb weŃkI Á, GbimUve, XvKv	m`m`
5	Rbve j rdlv ingvb Kwii Kj vg weŃkI Á, GmBGmWvc, GbimUve, XvKv	mgšŃKvix

veI q: K`vni qvi vkjv		tk0r: beg-`kg
μvgK	bvg I c`ve	KvgiltZ c`ve
1	W. tgnZve Lvbg Aa`vcK, gtbveÁvb wefvM, XvKv wekte`vj q, XvKv	AvnevqK
2	Rbve tgrt gvrRej i ngvb mnKvix Aa`vcK, AvBBAvi, XvKv wekte`vj q, XvKv	m`m`
3	Rbve kvnvi qvi niq`vi c`fvI K, AvBBAvi, XvKv wekte`vj q, XvKv	m`m`
4	Rbve tgrt di nv`j Bmj vg EaYzb wekI Á, GbimilUe, XvKv	m`m`
5	Rbve j rdi i ngvb Kvii Kj vg wekI Á, GmBGmivvc, GbimilUe, XvKv	mgšqKvix

6. mweR mgšq Kvgil		
μvgK	bvg I c`ve	KvgiltZ c`ve
1.	Rbve tgriv`š` Rvki tnvmb Kvii Kj vg wekI Á I GmBGmivvc tdivKj ctqU Kvii Kj vg tWtfj ctqU BDvbU RvZxq vkjvμg I cv`cj K teW©, XvKv	mweR mgšqKvix
2.	Rbve tgrkZvK Avntg` fBqv weZiY vbqšK RvZxq vkjvμg I cv`cj K teW©, XvKv	mweR mgšqKvix

rkývmg

Z_ I thMvthM cÄy³

lô-Aóg tkÖ

1. **ფიგურა**

Z_ I thvMthvM chp3 (ICT) Zt_i Ar`vb c0vb, msi`yY I e`e`icbrq Rxeṭbi c0ZuW tytI Ggb GK AmvaviY mthvM mpo KtiṭQ hvi Abjw`wZtZ `rO`gq AvajbK Rxeṭ wPsb Kiv hvq bv | e`r3 Rxeṭbi DrKI qmvab, Rivxq Rxeṭbi DbwZ I c0wZ Ges weṭkI RwiZmgṭni cvi `umi K mnthvMVz I mngugZvi eUṭb Avex GK Awfbocwi eṭi i tmvbj x `caṭ`wLṭqṭQ Z_ I thvMthvM chp3 |

Z_ I thvMthvM chp3 weṭkI Ávb I Z_`fvEṭi c0eṭki Amxg m`eṭbvi 0vi Ltj w`ṭqṭQ | `b`b Rxeṭ, thvMthvM, A_`%wZK KgRvE, tgavPP I mRbkj Zvi weKvk, weṭb`b BZ`w` mKj tytI Z_ I thvMthvM chp3 i e`envi DEṭivEi ep`x cv`Q | eZṭvb GwJ gvbtI i gvbm`ubocKgm`uv`ṭbi GK kw3kvj x nwwZqvi wntmte `xKwZ AR0 KtiṭQ | DbwZ weṭkI wkyvtytI Z_ I thvMthvM chp3 -wbfP DcKiY e`envi i dtj wKlb-ṭkLvṭv Kvhṭg ntq DṭvṭQ AZ`sI KvhRi, AvKIYq I `enkK | GṭZ GKw ṭK thgb wKlb Kvhṭg wkyv` i AskM0Y ep`x ṭctṭqṭQ, ṭZgub Zv` i Pwin`vq mvov w`ṭZ wṭq wkyṭki fvgKvi I AfZce`cwi eZ0 NṭUṭQ | ZvOvov KgexwZ, kṭjevRvi I thvMthvM RMṭZ GK bvUKxq cwi eZ0 GṭṭQ Z_ I thvMthvM chp3 | dj k0ZṭZ AvajbK weṭkI bZb bZb `yZvi wKsev `yZvi bevqb c0qvRb teva KiṭQ | wKs`Avgt` i eZṭvb c0ṭbfi G `yZv ARṭbi mthvM c0wJ Z wkyvṭg GṭKvṭi B AcṭZj | hvi c0ṭe chp3 e`envi RubZ `elg` (wWwRUuj wWfvBW), mvgwRK I A_`%wZK `elg`, teKvi Zi; `wii`* BZ`w` mgm`v`ṭj v A`j fvel`ṭZ Avṭiv c0Ku ntq ṭ`Lv ṭ`l qvi Avk/v i ṭqṭQ |

Z_ I thvMthvM chp3 gube m`u` Dbṭb I Rivxq j`y` ARṭbi GK KvhRi gva`g | G weṭePbvq eZṭvb miKvi 2021 mvṭj i gṭa` 0wWwRUuj evsj ṭ`k0 Movi Dṭ`vM M0Y KtiṭQ | wbtmṭ`ṭn GwJ GKwJ Pṭvṭj wAs KvR | GB Pṭvṭj ṭAi Ask wntmte c0`wGK I gva`wGK chṭq wkyvṭg 0Z_ I thvMthvM chp3 0 weliqW c0Zṭbi wmxv`sI ṭbl qv ntqṭQ | I0, mṭBg I A0g ṭk0YṭZ G weliqW Avewk`K weliq wntmte c0Zṭbi gL` DṭI`k` nt`Q Z_ I thvMthvM chp3 i DcKiY e`envi wkyv` i AvM0 ep`x, `yZvi weKvk Ges cieZ0Z D`Pwkyv j ṭfi wFZ wbg0Yi gva`ṭg `y` I Drcv`bkj Rbm`u` mpo Kiv | hvi mṭvṭ` evsj ṭ`k `ṭZ GKwJ ga`g Avṭqi ṭ`ṭk cwi YZ ntZ cvṭi |

2. Dfík

Z_ I thvMthvM chp³ wkývµtgi Dfík mgn:

1. wkýv_ i Z_ I thvMthvM chp³ i Amxg mætebv mæútk®AemZ Kti wetkji Ávb I Z_ fivÉvti cðetki `i Rv Dbj³ Kti t` I qv|
2. Z_ I thvMthvM chp³ i cfvte µgea@vb cwi eZfbí cðZ BvZerPK `wofwzi weKvk mvab Kiv|
3. Z_ I thvMthvM chp³ e`envi Kti `bw`b Rxeþbi wefBomgm`v mgarvþb wkýv_ i mg_ Kiv|
4. fvlvMZ `ýZv ep, tgav I mRbkj Zvi weKvþk Z_ I thvMthvM chp³ e`envti wkýv_ i mnvqZv Kiv|
5. Z_ I thvMthvM chp³ e`envtii mvt_ mæú,³ `v` I wivcÉv SpK Abveteþ mýg Kiv|
6. Z_ I thvMthvM chp³ e`envtii týtÍ `bvZK AvPiþYi Af`vm Mto Zj þZ mnvqZv Kiv|
7. teKvi Zj wimb, `wi`a wetgvPb Ges RxebhvÍvi gvb Dbqþb Z_ I thvMthvM chp³ e`envtii fvgKv mæútk®AemZ Kiv|
8. wkýv_ i mnthvMZvgj K gþbvfe I tbZtZj ,Yewj i weKvk NUvþv|
9. Rxebe`vcx wkýv jvf Kivi `wofwz Mto tZjv|

3. cðšK wLbdj

cðškv Kiv hvq, Aóg tkw tkþl wkqv_ v Ñ

1. Z_ I thvMthvM chp³ i ,iZj Abveteþ m¶lg nte Ges e`v³ Rxeb, Kg¶¶Í, mgnR Ges `ewK tçýtZ Gi fvgKv e`vL`v KiþZ cvite|
2. Z_ I thvMthvM chp³ welaqK hšcwiZi KvR I tbUl qvK`e`vL`v Ges e`envi KiþZ m¶lg nte|
3. Z_ I thvMthvM chp³ wivc` I `bvZKfvte e`envi KiþZ cvite|
4. fvlvMZ I MvYwZK `¶Zv ARþb Z_ I thvMthvM chp³ mWk, AvKl¶xq I bv`wbKfvte e`envti m¶lg nte|
5. ,Yv, Y wePvi Kti Z_ I thvMthvM chp³ e`envtii gva`tg wkqv_ I `bw`b Rxeþbi mgn`v mgarvþb m¶lg nte|
6. Z_ I thvMthvM chp³ welaqU Aa`qþbi týtÍ mnthvMZvgj K AvPiY cKvk Kiþe|

4. cõšK wLbdj i tkõwvfvĖK wfvRb

tkõwvfvĖK wLbdj			cõšK wLbdj
cĹ`vkv Kiv hvq wkvv_šv -			
6õ tkõw	7g tkõw	8g tkõw	cĹ`vkv Kiv hvq Iõ-Aóg tkõw tkĭI wkvv_šv -
Z` I thvMvthvM cõy³ wcl qU wtkĭY KižZ cvi te	e`w³Rxeb, KgĖĭĭ I mgvRRxetb Z` Ges thvMvthvM cõy³ i fvgKv gj`vqb KižZ cvi te	ewkK tçyžZ Z` I thvMvthvM cõy³ i cĹqwmK tÿĭmgn e`vL`v KižZ cvi te	<ul style="list-style-type: none"> Z` I thvMvthvM cõy³ i Ÿiž; Abxetb mĭlg nte Ges e`w³Rxeb, KgĖĭĭ, mgvR Ges ewkK tçyžZ Gi fvgKv e`vL`v KižZ cvi te
Z` I thvMvthvM cõy³ wcl qK hšcwzi KivR e`vL`v Ges e`envi KižZ cvi te	Z` I thvMvthvM cõy³ wcl qK hšcwzi KivR e`vL`v KižZ cvi te	KivúDuvI tbUI qvKĖ msvkõ hšcwzi KivR e`vL`v KižZ cvi te	<ul style="list-style-type: none"> Z` I thvMvthvM cõy³ wcl qK hšcwzi KivR I tbUI qvKĖ e`vL`v Ges e`envi KižZ mĭlg nte
Z` I thvMvthvM cõy³ i wbi vcĖvi wvfvbæ w Kmgñ e`vL`v KižZ cvi te	Z` I thvMvthvM cõy³ i wbi vc` I %bwZK e`envi mæutKĖ e`vL`v KižZ cvi te	wbi vcĖv I `bwZKZvi Ÿiaž; gj`vqb Kĭi Z` I thvMvthvM cõy³ e`envi KižZ cvi te	<ul style="list-style-type: none"> Z` I thvMvthvM cõy³ wbi vc` I `bwZKfvte e`envi KižZ cvi te
Z` I thvMvthvM cõy³ e`envi Kĭi tj Lvi KivR KižZ cvi te	Z` I thvMvthvM cõy³ e`envi Kĭi tj Lvi KivR KižZ cvi te	Z` I thvMvthvM cõy³ e`envi Kĭi MwYwZK mgn`vi mgvavb KižZ cvi te	<ul style="list-style-type: none"> fvLVMZ I MwYwZK `ĭZv ARĖb Z` I thvMvthvM cõy³ mwVK, AvKI Ėxq I bw`wbKfvte e`envi mĭlg nte
BšvI tBU e`envi Kĭi Z` AbmÜvb KižZ cvi te	BšvI tBU e`envi Kĭi wkvv I `bw`b Rxeb msvkõ Z` msvb I e`envi KižZ cvi te	wkvv I `bw`b Rxetbi mgn`v mgvavtb BšvI tBUi fvgKv gj`vqb KižZ cvi te	<ul style="list-style-type: none"> ŸYvY wvvi Kĭi Z` I thvMvthvM cõy³ e`envi i gra`g wkvv I `bw`b Rxetbi mgn`v mgvavtb mĭlg nte
Z` I thvMvthvM cõy³ wcl qU Aa`qĭbi tÿĭĭ mnthwMZvgj K AvPiY Ki te	Z` I thvMvthvM cõy³ wcl qU Aa`qĭbi tÿĭĭ mnthwMZvgj K AvPiY Ki te	Z` I thvMvthvM cõy³ wcl qU Aa`qĭbi tÿĭĭ mnthwMZvgj K AvPiY Ki te	<ul style="list-style-type: none"> Z` I thvMvthvM cõy³ wcl qU Aa`qĭbi tÿĭĭ mnthwMZvgj K AvPiY Ki te

5. Aa`vq web`vm

Aa`vq	tkW		
	lô	mBq	Aóg
cŮg Aa`vq	Z` I thvMvthvM chv³ cvi vPvZ	cŮZ`vnK Rxeťb Z` I thvMvthvM chv³	Z` I thvMvthvM chv³ i _ iazj
vŮZxq Aa`vq	Z` I thvMvthvM chv³ msvkŃ hšcvvZ	KvúDUvi msvkŃ hšcvvZ	KvúDUvi tvU qvK®
ZZxq Aa`vq	Z` I thvMvthvM chv³ i vbi vc` e`envi	Z` I thvMvthvM chv³ i vbi vc` I `bvZK e`envi	vbi vc` I `bvZK e`envi i _ iazj
PZL®Aa`vq	I qvW©cŮmms	I qvW©cŮmms	†`úWvkťUi e`envi
cÂg Aa`vq	BvUvi řbU cvi vPvZ	vkývq BvUvi řbťUi e`envi	vkýv I `bv` b Rxeťb BvUvi řbťUi e`envi

6. vcvv qW eUv

vkývutg Z` I thvMvthvM chv³ veltqi cŮZv Kvťmi Rb` 50 vgvBU mgq eiví ivLvi mvcwik Kiv nťqtŮ| mBvťn `řUv Kvťm AbvŮZ nť| nťZŃKj tg Z` I thvMvthvM chv³ i `ývř Dbqťbi Rb` A`ev _ iazp`elťq cv` vťbi Rb` vkývK GKvvaK vcvv qW GKmť _ tbi qvi e`e`v KiťZ cřťbi|

Aa`vqvřvEK eiví KZ mgq:

Aa`vq	vcv v qW		
	lô	mBq	Aóg
cŮg Aa`vq	09	07	08
vŮZxq Aa`vq	08	14	07
ZZxq Aa`vq	08	08	10
PZL®Aa`vq	27	25	22
cÂg Aa`vq	18	16	23
řgvU	70	70	70

7. ԿԼԵՆԻԿԼՎԻ ԾԿԻՄ

Ընդհանուր առմամբ ԿԼԵՆԻԿԼՎԻ ԾԿԻՄ-ը կատարվում է հետևյալ կերպով:

- Հիմնականում ընդգրկվում է ընդհանուր և հատուկ կրթության հարցերի քննարկումը:
- Հիմնականում ընդգրկվում է հիմնական դասընթացի և հատուկ դասընթացի մեթոդական օգնությունը:
- Գնահատվում է հիմնական, հատուկ, կրթության, հիմնական մեթոդական, տեղեկատվական և այլ հարցեր:
- Կատարվում է հիմնականում և հատուկ կրթության ոլորտում:

1. Longman ICT for IGCSE, Pearson Education Limited, England, by Roger Crawford, Rolland Birbal and Joseph Blair
2. GCSE ICT, Harper Collins Publishers Ltd, London, by Denise Walmsley, Peter Sykes and Henry Robson
3. Computers Ahead – Orient Blackswan Private Limited, Chennai, India, By Anjana Jain
4. Information System for You, Stanley Thornes (Publishers) Ltd, UK by Stephen Doyle
5. Computers and Education: Towards Educational Change and Innovation, Springer – Verlag Publication: London by Antonio Jose Mendes, Isabel Pereira, Rogerio Costa (Eds.)
6. Multiliteracies and Technology Enhanced Education: Social Practice and the Global Classroom, IGI Global: USA by Darren L. Pullen, David R. Cole
7. Learning for Life: The Foundations For Lifelong Learning, The Lifelong Learning Foundation, UK by David H. Hargreaves

8. weiqw cewbi tyti hv cqvrb

1. Z_ I thvMthvM chp³ weiqw g'vbpvj ^Zwi ceR ceww we`vj tq b'bzg GKRb wkyKtK ckyY c0vb |
2. ceww we`vj tq b'bzg 5 Rb wkyv_Rb` 1w Kti KwúDvvi e`envi i mthvM wvöZ KiY Ges cqvrbxq Avmevct mi eivn |
3. ^`S'Kgp Z_ I thvMthvM chp³ i hšysk/hšcwZ mi Kwi chq msh Kti we`vj tqi AvBimw j`vte c0vb |
4. Kvm_tjv KwúDvvi j`ve/AvBimw j`vte Abpvtbi e`ev |
5. cew we`vj tq GKRb ckyYc0B j`ve mnKvix wbtqvMi e`ev |
6. ceww we`vj tq Bvvi tbtUi mthvM c0vb |
7. AvBimw mskó hšcwZ i yvteytyi e`ev MhY |
8. cv'cy'K Pvi i t0 gy'Y |

9. Ɂkÿvµg QK lô tkW

c0g Aa`vq: Z_ I thvMthvM chp3 cni vPvZ (10 ucni qW)

ukLbdj	vel qe`	ukLb-tkLufbv vbt` Rbv	vetkl gj`vqb vbt` Rbv
<p>ey`eExq</p> <ol style="list-style-type: none"> 1. Z_ I thvMthvM chp3 vel qvU eYbv KitZ cvite 2. D`vniYi mrvvth` DcvE I Zt_i cv_R` wbyq KitZ cvite 3. Z_ I thvMthvM chp3 i e`envi i tyTmgn wPvYz KitZ cvite 4. Z_ I thvMthvM chp3 i iazj; vetkl Y KitZ cvite <p>gtbvtcukR</p> <ol style="list-style-type: none"> 5. we`vj tq Z_ I thvMthvM chp3 e`envi i tyTmgn wPvYz Kti tcv=vi wWRvBb KitZ cvite <p>AvtelMq</p> <ol style="list-style-type: none"> 6. Z_ I thvMthvM chp3 vel tq RvbZ AvMh cKvk Kite 7. `jMZ KtR- <ul style="list-style-type: none"> • mwpqfvte AskMhY KitZ AvMhx nte • mncvWt`i gZvgZ iazj mvt_ MhY Kite • tbZZ; c0vfb Drmn cKvk Kite 	<p>Z_ I thvMthvM chp3 cni vPvZ</p> <ul style="list-style-type: none"> • Z_ I thvMthvM chp3 i avi Yv • DcvE I Z_ • Z_ I thvMthvM chp3 i e`envi • Z_ I thvMthvM chp3 i iazj 	<p>ukTK hv KitZ cvtib</p> <ul style="list-style-type: none"> • ckaDEti i gra`tg Z_ I thvMthvM chp3 ma`utK`kyv_ i ceAvb hvPvB KitZ cvtib • cv`cyK I vbtRi AwfAZvi Avtj vtK Ges ev`e D`vniY e`envi Kti wkyv_ i avi Yv Avi I mjsnZ KitZ cvtib • Z_ I thvMthvM chp3 i Amxg m`tebv I iazj e`vL`v Kti wkyv_ i `tj wef3 Kti cvti Pwin`v Abhvqx `jMZ KvR c0vb KitZ cvtib `jMZ KvRi mgq wkyv_ c0Z`K `tj i KvR chp3yY Kiteb Ges c0qvRbgZ `j i tjtvtK mrvqZv c0vb Kiteb • gnevqMvq e`envi Kti Z_ I thvMthvM chp3 e`envi i tyTmgn AvKl Yxqfvte Dc`vcb KitZ cvtib • Z_ I thvMthvM chp3 e`envi `y e`w3emfK G vel tq AwfAZv wewgtqj Rb` tk0YKty Avnyv RvbZ cvtib • emoi KvR wntmte we`vj tq Z_ I thvMthvM chp3 e`envi i tyTmgn wPvYz Kti tcv=vi wWRvBb KitZ w`teb • Z_ I thvMthvM chp3 e`euZ nq Ggb c0Z0vb, tk`^A_ev tjj vq wkyv_ i vbtq thZ cvtib <p>ukTlv`hv hv KitZ cvti</p> <ul style="list-style-type: none"> • DcvE I Z_ m`umKZ avi Yv, D`vniY, cv_R`, e`envi i tyT, msiyY I e`e`vcvbi Dcvqmgc cv`cyK I wkyv`Ki mrvvth` vbtq `jMZ Avtj vPvbi gra`tg wj wceX Kti tk0YtZ Dc`vcb KitZ cvti • `jMZ Avtj vPvq cv`cy`Ki mrvqZv vbtq I Brainstorming Gi gra`tg Z_ I thvMthvM chp3 i e`envi I iazj wj wceX KitZ cvti Ges textW` c0Z`K `tj i ctqU i tjt v wj tL GKwU mrvvi Y HKgtZ` tcbQvtZ cvti • wkyv`Ki vbt` Rbvq `tj i ctj `jMZ KvRi dj vdj Dc`vcb KitZ AvMh cKvk KitZ cvti • emoi KvR wntmte we`vj tq Z_ I thvMthvM chp3 e`envi i tyTmgn wPvYz Kti tcv=vi wWRvBb Kite 	<ul style="list-style-type: none"> • tg`mLK Afxyvi gra`tg wkyv_ i KwZZ; hvPvB Kiteb • tk0Y Afxyvi gra`tg wkyv_ i AwRZ Avb I `yZv hvPvB Kiteb • wba`wi Z gvb` tEi Avtj vtK `jMZ KvR gj`vqb Kiteb • wba`wi Z gvb` E Abhvqx wWRvBbKZ tcv=vi gj`vqb Kiteb • wba`wi Z gvb` E Abhvqx vel tqi c0Z wkyv_ i AvMh, `jMZ KvR mncvWt` i mvt_ mntmMvZvgj K AvPiY Ges tbZtZi Yvevj gj`vqb Kiteb • eml R I Aa`eml Rx cixyq %e`w3K c0ka gra`tg wkyv_ i KwZZ; hvPvB Kiteb

WZiq Aa`vq: Z_ I thvMthvM chp³ msikó hšcwZ (12 wci qW)

wLbdj	wel qe`	wLb-tkLufbv wbt` Rbv	wetkl gj`vqb wbt` Rbv
<p>ep`eExq</p> <ol style="list-style-type: none"> 1. KwúDUvi i Kvr Kivi cūqv eYθv Kitz cvi te 2. Z_ I thvMthvM chp³ tZ thme hšcwZ e`eüZ nq tm,tjv eYθv Kitz cvi te 3. Z_ I thvMthvM chp³ tZ thme hšcwZ e`eüZ nq Zvi Kvr eYθv Kitz cvi te 4. nWp`q`vi, mdUl q`vi Ges tggwi meútk`e`vL`v Kitz cvi te <p>gtbvtcukR</p> <ol style="list-style-type: none"> 5. KwúDUvi Pjyl eÜ Kitz cvi te <p>Avtelbq</p> <ol style="list-style-type: none"> 6. we`vj q, Mn Ges `vbxq cwitetk Z_ I thvMthvM chp³ Ges Gi e`envi wel tq RvbtZ AvMöx nte 7. KwúDUvi e`envi i tytI mnthvMZvgj K AvPi Y Kite 8. `j MZ Kvr- <ul style="list-style-type: none"> • mūqv fite AskMöy Kitz AvMöx nte • mncvWt` i gZvgZ `iaZji mt` Möy Kite • tbZZj cūvib Drmn cKvk Kite 	<p>Z_ I thvMthvM chp³ msikó hšcwZ Gi cwi Pvj bv</p> <p>KwúDUvi</p> <p>nWp`q`vi</p> <ul style="list-style-type: none"> o Bbcj wVfVbm o t`v:R wVfVbm o c`mms wVfVbm o AvDUctj wVfVbm <p>• mdUl q`vi</p> <ul style="list-style-type: none"> o imt`+g mdUl q`vi /Acvti uUs imt`+g o GuicKkb mdUl q`vi o c`vtKR o Kv`grBRW <p>Ab`vb` hšcwZ</p> <ul style="list-style-type: none"> • gtWg • m`vtUj vBU ev DcMö • AcuUK`vj dvBevi 	<p>wk`JK hv Kitz cvi b</p> <ul style="list-style-type: none"> • wk`qv_xp` i AvFÁZvi Avtj vtK ckeDÉti i gra`tg cvV KvhPug i iæKitz cvi b • Z_ I thvMthvM chp³ msikó hšcwZ cū kō ceR (th t`jtI cū kō mæ bq tm t`jtI PrU`Qie, tevW`A`b A`ev WvqM`tgi mnvth`) G`_tj vi e`envi eYθv Kitz cvi b • tRvovq/`tj Avtj vPbv Kti cū kōKZ hšcwZ `tj vi Kvr Ri Zvij Kv `Zwi Kti tk`vtZ Dc`vcb Kitz ej tZ cvi b • D`vni Ymn mdUl q`vi I nWp`q`vi Gi cv`R`mga `j MZ fite wj tL Dc`vcb Kitz ej tZ cvi b • KwúDUvi Pjyl eÜ Kivi cūwZ cū kō Kitz cvi b • Z_ I thvMthvM chp³ msikó hšcwZ chfey`yi ci cūZte`b `Zwi Kitz ej teb • Z_ I thvMthvM chp³ msikó hšcwZ e`envi i tytI mgñi Zvij Kv cūZ Kitz ej tZ cvi b • `vbxq th me e`v` A`ev cūZövb Z_ I thvMthvM chp³ msikó hšcwZ e`envi Kti b wk`qv_xp` i tm,tjv chfey`yi e`e`v Kitz cvi b • Bvli tbtUi mnvqZv wbtq gw`vqWqv e`envi Kti Z_ I thvMthvM chp³ i hšcwZ cū kō ceR Gt` i e`envi AvKl`vq fite Dc`vcb Kitz cvi b <p>wk`qv_xp` hv Kitz cvi</p> <ul style="list-style-type: none"> • ckaKti eštZ bv criv wel q`_tjv fuj fite tRtb wbtZ cvi • cū wZ Z_ I thvMthvM chp³ i hšcwZ `tj vi Kvr Ri Zvij Kv cūZ Kitz cvi • nvtZ Kj tg Kvr Kti KwúDUvi Pjyl eÜ Kitz cvi • thmKj e`v`/cūZövb Gme hšcwZ e`envi Kti Zvt` i KvhPug chfey`yi ci `j MZ fite cūZte`b tk`vtZ tck Kitz cvi • ewoi Kvr intmte Z_ I thvMthvM chp³ msikó hšcwZ wel tq cūZte`b `Zwi Kite • Z_ I thvMthvM chp³ msikó hšcwZ e`envi i tytI mgñi PrU`cūZ Kitz cvi • mnthvMZvgj K gtbv fite wbtq we`vj tq we`v`gub Z_ I thvMthvM chp³ msikó hšcwZ thS` fite e`envi Kite 	<ul style="list-style-type: none"> • tgūLK Afxyvi gra`tg wk`yv_xp` i KwZZj hvPvB Kiteb • tköY Afxyvi gra`tg wk`yv_xp` i AvRZ` Avb I `yZv hvPvB Kiteb • wbañi Z gvb` tEi Avtj vtK `j MZ Kvr gj`vqb Kiteb • ewoi Kvr intmte t` I qv cūZte`b wL GK wk`yv_xp` Kvr Ab` wk`yv_xp` gra`tg gj`vqb Kiteb (Peer Assessment) • Z_ I thvMthvM chp³ msikó hšcwZi e`envi i tytI mgñi Zvij Kv gj`vqb ceR tköY Kty cū kō Kiteb • cūZ`K wk`yv_xp` KwúDUvi Pjyl eÜ Kitz cvi tQ wLbv Zv wbuöZ nteb • wbañi Z gvb` E Abhvqx wk`yv_xp` i AvMö, `j MZ Kvr mncvWt` i mt` mnthvMZvgj K AvPi Y I tbZtZi `Yvej gj`vqb Kiteb • ewl R I Aaeml R x cixyq %e`e`K cūkæ gra`tg wk`yv_xp` i KwZZj hvPvB Kiteb

ZZiq Aa'vq: Z_ I thvMthvM chj³i vbivc` e`envi (08 vcnii qW)

wklbdj	velqe`	wklb-tklvtbv vbt` Rbv	wetkl gj`vqb vbt` Rbv
<p>ey`eExq</p> <p>1. Z_ I thvMthvM chj³i hšcwZ i yYteyYi Dcvqmg e`vL`v KiZ cvi te </p> <p>2. gvI waK e`envi t`SjK, gvbwmK I mvgwRK mgn`vmg e`vL`v KiZ cvi te </p> <p>3. vbivc` e`envi i Dcvqmg wetkl Y KiZ cvi te </p> <p>gjbvtckR</p> <p>4. mivK AvPiYi (Avfbq) gra`tg Z_ I thvMthvM chj³ e`envi i tytI t`SjKgj³_vKvi Dcvq,tjv c0k0 KiZ cvi te </p> <p>Avtelmq</p> <p>5. Z_ I thvMthvM chj³ e`envi i tytI t`SjKgj³_vKvi Dcvq,tjv c0k0 KiZ AvMbx nte </p> <p>6. `j MZ KtR-</p> <ul style="list-style-type: none"> • mwpqfite AskMhY KiZ AvMbx nte • mncvWt` i gZvgZ ,iætzi mvt` MhY Kite • tbZZ;c0vrb Drmn cKvk Kite 	<p>Z_ I thvMthvM chj³i vbivc` e`envi</p> <ul style="list-style-type: none"> • e`jwZK msthvM nWp`qvi i yYteyY • gvbUi cwi`vi • hšcwZ e`envi mearbZv • KxNteW`cwi`vi • gvDm cwi`vi • mDUl q`vi i yYteyY • KivuDvi fvBim I Gi c0ZKvi • AvBimU e`envi i t`SjK I mZKZv • vctV I tKigtii e`v_v • tPvtLi mgn`v • gvbwmK I mvgwRK mgn`v 	<p>wkyK hv KiZ cvi b</p> <ul style="list-style-type: none"> • wkv`_i AvfAZvi AvtjvtK c0k0Ei Gi gra`tg cvW KvhPg i iæKiZ cvi b • Z_ I thvMthvM chj³i hšcwZmg e`vL`v KiZ cvi b • wkyv`_i iK cvW`cy`iKi msuk0 AskUKzbxite cvW Kti i yYteyYi Dcvqmgni Zwi Kv c0Z KiZ ejtZ cvi b • mivK fite e`jwZK msthvM bv Kivi djvdj KxntZ cvi G mæutK® Brainstorming Gi gra`tg wkyv`_i i gZvgZ tevW`w`ij LtZ cvi b Ges GKwI mvariY HKgtZ` AvmtZ cvi cieZ`Z cvW`cy`iKi msuk0 Ask cviVi gra`tg wklbtK Avi I mmsnZ KiZ cvi b • t`SjK I vbivc` e`envi i Dcvq,tjv e`vL`v Kti c0k0 KiZ cvi b • t`SjK Govtvi Dcvqmg e`vL`v Kti t`Lvtvi Rb` wkyv`_i i Avn`v RvbtZ cvi b • Zj bvgj Kfite AMhigv wkyv`_i iK `ju``tj wef³ Kti tkivtZ weZtK® AvtqRb KiZ cvi b weZtK® AskMhYi Rb` mevBtK Aa`vquI fvtjv Kti covi Rb` ewoi KvR w`tZ cvi b <p>weZtK® D`vniY:</p> <p>velq: 0SjKi KviY KivuDvi Kg e`envi Kiv DvPr0</p> <p>c0Z`tj AbwaK wZbRb wkyv`_vKtZ cvi Zviv wbaWi Z Zwi tL cieZ`K®m weZtK® Ask vbi te ewo t`iK weZtK® Rb` t`vU` Zwi Kti c0wZ vbtq AvmtZ ejteb wkyK weZtK® wbgg Abjvti AbjvbwI cwi Pjv bv Ki te b </p> <p>wkyv`_i hv KiZ cvi</p> <ul style="list-style-type: none"> • wkytKi vbt` Rbv Abhvqx cvW`cy`K cto Ges `j MZ AvtjvPbvq Kti Z_ I thvMthvM chj³i hšcwZi i yYteyY Dcvqmgni Zwi Kv c0Z KiZ cvi • t`SjKi ,iæZcy`velq,tjv LvZvq wj wceX KiZ cvi • t`SjK I vbivc` e`envi i Dcvq Avfbtqi gra`tg Dc`vcb KiZ cvi • weZtK® AskMhY Kivi j ty` Aa`vquI fvtjv fite ewotZ Aa`qb Ges c0qvRbxq ,iæZcy`velq,tjv t`vU KiZ cvi • hviv weZtK® AskMhY Kite bv Zviv tk0Zv wntmte Abjvb DctfivM KiZ cvi 	<ul style="list-style-type: none"> • tgwLK Afxyvi gra`tg wkyv`_i i KwZZ; hvPvB Ki te b • tk0Y Afxyvi gra`tg wkyv`_i i AvRZ Avb I `yZv hvPvB Ki te b • wbaWi Z gvb`tEi AvtjvtK `j MZ KvR gj`vqb Ki te b • wkyK weZK® Abjvrb Dc`wcz hv³mg gj`vqb Kti djvdj tNvi Yv Ki te b • t`SjK Govtvi Dcvq c0k0 chfeyY Kti wbaWi Z gvb`tU gj`vqb Ki te b • wbaWi Z gvb`E Abhvqx wkyv`_i i AvMh, `j MZ KvR mncvWt` i mvt` mnthvMZvgj K AvPiY I tbZtzi ,Yvej gj`vqb Ki te b • ewl R I Aa`wL R x cixyvq `be³K c0kie gra`tg wkyv`_i i KwZZ; hvPvB Ki te b

PZL Aa'vq: I qW©C©mms (24 wci qW)

wLbdj	wel qe'	wLb-tkLufbv wbt` Rbv	wetkl gj`vqb wbt` Rbv
<p>epxeEiq</p> <ol style="list-style-type: none"> I qW©C©mms m=utK©Y©v Kitz cvite Z_ I thvMthvM chp³ i mt_ I qW©C©mms Gi m=utK©vLv Kitz cvite Z_ I thvMthvM chp³ iZ I qW©C©mms Gi _iazjeY©v Kitz cvite <p>gbtvcikR</p> <ol style="list-style-type: none"> WKtgU msiyYi Rb`tdvi vi I dvBj `Zwi Kitz cvite I qW©C©mms mduI qvi e'envi Kti BstiuRtZ tj Lvi KvR Kitz cvite ~f`SjK Gwtq wbi vct` Z_ I thvMthvM chp³ i hšcviZ e'envi Kitz myg nte <p>Avtelhq</p> <ol style="list-style-type: none"> ~f`SjK Gwtq wbi vct` Z_ I thvMthvM chp³ i hšcviZ e'envi AvMhx nte Ku=UDUvi e'envi i tyft mntHvMZvgj K AvPiY Kitz Drmvn nte `j MZ KvR- <ul style="list-style-type: none"> muvqfite AskMhY Kitz AvMhx nte mncvxt` i gZvgZ _iazji mt_ MhY Kite tbZZj cvv b Drmvn cKvk Kite 	<p>Z_ I thvMthvM chp³ Ges I qW©C©mms</p> <ul style="list-style-type: none"> I qW©C©mms Gi aviYv Z_ I thvMthvM chp³ iZ I qW©C©mms Gi _iazj tdvi vi I dvBj tLjv/eU Kiv I qW©C©mms e'envi Kti tj Lv, bvg t` I qv, tmBf I eU Kiv 	<p>wkyK hv Kitz cvtib</p> <ul style="list-style-type: none"> wkYv_xp` i AvfAZvi Avtj vtK I qW©C©mms m=utK©ck©DEti i gra'tg cvW Kuhpug` i iæKitz cvtib Z_ I thvMthvM chp³ i mrvh` wbtq I qW©C©mms Gi aviYv, Z_ I thvMthvM chp³ i mt_ Gi m=utK© _iazjeY©vceR e'envi cxwZ e'vLv Kti wLtb mrvqZv cvv b Kiteb wkyv_xp` i iK cvti mskw AskUKzcto `j MZ fite Z_ I thvMthvM chp³ iZ I qW©C©mms Gi _iazmgfni GKwU Zvj Kv cvZ Kitz ejtZ cvtib I qW©C©mms PrjyKivi cxwZ c` kb Kiteb tdvi vi I dvBj Ltj WKtgU msiyY Kivi cxwZ t` Lteb GKwU evK` wj tL I qW©C©mms BstiuR KxteW e'envi cv kb Kiteb <p>D`vniY: The quick brown fox jumps over the lazy dog</p> <ul style="list-style-type: none"> I qW©C©mms t_tK tei nI qvi cxwZ t` Lteb GKKfite BstiRx cv`cy`K t_tK evK` wj tL wR bvtg Zv msiyY(tmBf) Kti I qW©C©mms t_tK tei nI qvi cxwZ cv kb Kiteb <p>wkyv_xp` hv Kitz cvti</p> <ul style="list-style-type: none"> cvti mskw AskUKzcto `j MZ fite Z_ I thvMthvM chp³ iZ I qW©C©mms Gi _iazj; wltq GKwU cvZte` b`Zwi Kitz cvti wbt` Rbv Abhvq GKKfite BstiuR cv`cy`K t_tK evK` wj tL wv`© tdvi vti dvBj tmBf Kti I qW©C©mms t_tK tei nte SjKgp³ fite Z_ I thvMthvM chp³ i e'envi Kite mntHvMZvgj K gtbv fite wbtq we`vj tq we`gvb Z_ I thvMthvM chp³ i hšcviZ thš_fite e'envi Kite wkyiKi wbt` Rbvq `j MZ KvRi dj vj Dc`vcb Kitz AvMh cKvk Kitz cvti 	<ul style="list-style-type: none"> tgwLK Afxyvi gra'tg wkyv_xp` i KwZZj hvPvB Kiteb tkw Afxyvi gra'tg wkyv_xp` i AvRZ Avb I `yZv hvPvB Kiteb wbaw Z gvb`te i Avtj vtK `j MZ KvR gj`vqb Kiteb WKtgU msiyYi Rb`tdvi vi I dvBj `Zwi Kivi mygZv chfeyY Kti gj`vqb Kiteb I qW©C©mms e'envi Kti BstiuRtZ tj Lvi KvR chfeyY Kti gj`vqb Kiteb Z_ I thvMthvM chp³ i SjKgp³ e'envi chfeyY Kti gj`vqb Kiteb wbaw Z gvb`E Abhvq wkyv_xp` i AvMh, `j MZ KvR mncvxt` i mt_ mntHvMZvgj K AvPiY I tbZtZi _Yevj gj`vqb Kiteb eml R I Aaeml Rx cixyvg` be©K c©k© gra'tg wkyv_xp` i KwZZj hvPvB Kiteb

cĀg Aa`vq: B>Uvi tBU cwi vPwZ (16 wcvii qW)

wLbdj	weiqe`	wLb-tkLtvb wbt` Rbv	wetki gj`vqb wbt` Rbv
<p>epxexq</p> <ol style="list-style-type: none"> 1. B>Uvi tBU i avi Yv e`vL`v Ki tZ cwi te 2. I tqe mvBU m`u`itK`eY`v Ki tZ cwi te 3. mvP`Bw`Atbi `i aZ`i e`vL`v Ki tZ cwi te <p>gtbvtcwK</p> <ol style="list-style-type: none"> 4. eDRvi e`envi Kti I tqe tctR (wkyv mskw) cĀek Ki tZ cwi te 5. mvP`Bw`Atbi e`envi Kti I tqe tcr AbmUvb Ki tZ myg nte 6. `r`S`K Gwotq wbi vct` Z` I thwMthwM chw`i hšcwZ e`envi Ki tZ myg nte <p>Avtelwq</p> <ol style="list-style-type: none"> 7. `r`S`K Gwotq wbi vct` Z` I thwMthwM chw`i hšcwZ e`envi AvMhx nte 8. mnthwMZvgj K gtbvfie wbtq we`vj tq we`g`v Z` I thwMthwM chw`i hšcwZ thš`fite e`envi Ki te 9. `j MZ KvR- <ul style="list-style-type: none"> • mupqfite AskMhY Ki tZ AvMhx nte • mncvWxt` i gZvgZ `i aZ`i mvt` MhY Ki te • tbZZ`i cĀv`b Drmn cĀvk Ki te 	<p>B>Uvi tBU cwi vPwZ</p> <p>B>Uvi tBU</p> <p>B>Uvi tBU msthM</p> <p>I tqe eDRvi</p> <ul style="list-style-type: none"> • eDRvi cwi vPwZ <ul style="list-style-type: none"> o GtWm eri o tbrf`Mkb <p>I tqe eDRvi i e`envi</p> <p>mvP`Bw`Ab e`envi</p>	<p>wkyK hv Ki tZ cwti b</p> <ul style="list-style-type: none"> • cĀkĀDĒi c`x`Z`Z` wkyv`f` ce`Awf`AZv hvPvB Kti wLbNtKlvtbv Kvhpqg `i a`Ki tZ cwti b • PvU`A`er wPT e`envi Kti Ges Avtj vPvri gva`tg B>Uvi tBU Kx Ges wekpe`vcr I tqe e`envi i `i aZ`i Z`j aitZ cwti b • mskw cwti Vi AskUKzbxite cvw Kti `j MZ fite wkyv`f` i tK Z` I thwMthwM chw`i B>Uvi tBU, I tqe mvBU I mvP`Bw`Atbi KvR I `i aZ`mg`ni GKwU Zvwj Kv cĀ`Z` Ki tZ ej`i tZ cwti b • er`E DcKiY (tUwj tcvb, gtWg BZ`w`) e`envi Kti Kxfite B>Uvi tBU msthM cĀvb Kiv hvq Zv cĀ`kĀ Ki te b • Kxfite I tqe eDR Kiv hvq Zv cĀ`kĀ Ki te b • cĀZ`K wkyv`f`K I tqe eDRvi e`envi Kti I tqe mvBU cĀek Ki tZ mnvqZv Ki te b (Gt`y`i wkyK wef`bAvKl`vq I tqe mvBU e`envi Ki tZ ej`i tZ cwti b) <p>D`viY :</p> <p>http://www.liberationwarmuseum.org/</p> <p>http://www.infokosh.bangladesh.gov.bd/</p> <p>http://www.moedu.gov.bd/</p> <p>http://www.nctb.gov.bd/</p> <p>http://www.google.com</p> <p>http://www.yahoo.com</p> <p>http://www.kidsites.org/</p> <ul style="list-style-type: none"> • wkyv`f`K mvP`Bw`Ab e`envi Kti cĀqvRbxq I tqe mvBU AbmUvb Ki tZ mnvqZv Ki te b <p>wkyv`f`v hv Ki tZ cwti</p> <ul style="list-style-type: none"> • I tqe eDRvi e`envi Kti ersj`v`tki miKwi wekpe`vj`q`j`vi brg AbmUvb Kti Zvi Zvwj Kv LvZvg wj`tL Rgv w`tZ cwti • SpKgp`fite Z` I thwMthwM chw`i e`envi Ki tZ cwti • wky`iKi wbt` Rbv `j MZ KvRi dj`vdj Dc`vcb Ki tZ AvMh cĀvk Ki tZ cwti • mnthwMZvgj K gtbvfie wbtq we`vj`q`we`g`v Z` I thwMthwM chw`i hšcwZ thš`fite e`envi Ki tZ cwti 	<ul style="list-style-type: none"> • tgšLK Afx`vi gva`tg wkyv`f` i KwZZ`i hvPvB Ki te b • tkĀY Afx`vi gva`tg wkyv`f` i B>Uvi tBU I I tqe mvBU i avi Yv m`u`iK`Z AwR`Z Avb I `y`Zv hvPvB Ki te b • wba`wi Z gvb``Ei Avtj`vK` `j MZ KvR gj`vqb Ki te b • eDRvi e`envi Kti I tqe mvBU cĀek Kivi mygZv chfey`Y Kti gj`vqb Ki te b • mvP`Bw`Ab e`envi i mygZv chfey`Y Kti gj`vqb Ki te b • SpKgp`fite Z` I thwMthwM chw`i e`envi chfey`Y Kti gj`vqb Ki te b • wba`wi Z gvb``E Avhvx wkyv`f` i AvMh, `j MZ KvR mncvWxt` i mvt` mnthwMZvgj K AvPiY I tbZ`i `i Yvevj gj`vqb Ki te b • eml R I Aa`eml R`i cix`vq `be`K cĀkĀ gva`tg wkyv`f` i KwZZ`i hvPvB Ki te b

10. $\mu\kappa\acute{\upsilon}\nu\mu\omicron\gamma$ \mathcal{QK} $m\beta g$ $t\kappa\mathcal{W}$

c0g Aa'vq : c0Z'ınK Rxeḡb Z' I thvMḡthvM chḡp³ (07 wci qW)

wklbdj	welqe'	wklb-tklvḡbv wbt' Rbv	wetkl gj'vqb wbt' Rbv
<p>ey'eExq</p> <ol style="list-style-type: none"> 1. e'w³Rxeḡb Z' I thvMḡthvM chḡp³ i e'envi e'vL'v KiḡZ cviḡe 2. Kgḡyḡḡ Z' I thvMḡthvM chḡp³ e'envḡi i tyḡḡ wPyZ KiḡZ cviḡe 3. Kgḡyḡḡ Z' I thvMḡthvM chḡp³ e'envḡi i iaz; wetklb KiḡZ cviḡe 4. mgvRRxeḡb Z' I thvMḡthvM chḡp³ i cfve gj'vqb KiḡZ cviḡe <p>gḡbt'cukR</p> <ol style="list-style-type: none"> 5. e'w³Rxeb/Kgḡyḡḡ/mgvRRxeḡb Z' I thvMḡthvM chḡp³ i cfve wetḡq tcv÷vi wRvBb KiḡZ cviḡe <p>AvḡelMḡ</p> <ol style="list-style-type: none"> 6. Z' I thvMḡthvM chḡp³ wetḡq RvbḡZ AvMḡ cḡvk Kiḡe 7. `j MZ KvḡR- <ul style="list-style-type: none"> • mḡvḡqfḡte AskMḡY KiḡZ AvMḡx nḡe • mncvXḡ' i gZvgZ i azZi mḡḡ MḡY Kiḡe • fbZZ; cḡ vḡb Drmḡn cḡvk Kiḡe 	<p>c0Z'ınK Rxeḡb Z' I thvMḡthvM chḡp³</p> <ul style="list-style-type: none"> • e'w³Rxeḡb Z' I thvMḡthvM chḡp³ • Kgḡyḡḡ Z' I thvMḡthvM chḡp³ • mgvRRxeḡb Z' I thvMḡthvM chḡp³ 	<p>wkḡḡK hv KiḡZ cviḡb</p> <ul style="list-style-type: none"> • cḡkḡDḡḡi i gḡvḡḡ Z' I thvMḡthvM chḡp³ mḡvḡqfḡte wḡyḡḡ i ce'Avb hvPvB KiḡZ cviḡb • cv'cy'K I wbt'ri Avf'ÁZvi Avḡj vḡK Ges ev'ḡ D'vniY e'envi Kḡi wḡyḡḡ i aviYv Avil mḡnsZ KiḡZ cviḡb • e'w³Rxeb, Kgḡyḡḡ I mgvḡR Z' Ges thvMḡthvM chḡp³ i fḡgKv e'vL'vi ci wḡyḡḡ i `j wef³ Kḡi cviḡvi Pḡn`v Abḡvqḡ `j MZ KvḡR cḡvb KiḡZ cviḡb `j MZ KvḡRi mgq wḡyḡK cḡZ'K `j i KvḡR chḡyḡY Kiḡeb Ges cḡqvRbgZ `j j vḡK mḡvḡZv cḡvb Kiḡeb • Z' I thvMḡthvM chḡp³ e'envi Kḡi wetḡq AvKl'ḡxqfḡte Dc'vcb KiḡZ cviḡb • e'w³Rxeb, Kgḡyḡḡ I mgvḡR Z' I thvMḡthvM chḡp³ e'envḡi `y e'w³eMḡK Avf'ÁZv wetḡḡḡi Rb' tḡyKḡy Avn'vb RvbḡZ cviḡb • Z' I thvMḡthvM chḡp³ e'eüZ nq Ggb cḡZövb, tḡ' A'ev ḡḡj vḡ wḡyḡḡ i wbtḡ thḡZ cviḡb • emoi KvḡR wntḡḡe e'w³Rxeḡb/Kgḡyḡḡ/mgvRRxeḡb Z' I thvMḡthvM chḡp³ i cfve wetḡq tcv÷vi wRvBb KiḡZ wḡeb <p>wkḡḡv'ḡhv hv KiḡZ cviḡi</p> <ul style="list-style-type: none"> • e'w³Rxeḡb/Kgḡyḡḡ/mgvRRxeḡb Z' I thvMḡthvM chḡp³ i cfvemḡn cv'cy'K I wḡyḡḡKi mḡnvḡ wbtḡ `j MZ Avḡj vPbvḡi gḡvḡḡ wj wceX Kḡi tḡyḡZ Dc'vcb KiḡZ cviḡi • `j MZ Avḡj vPbvḡ cv'cy'K i mḡvḡZv wbtḡ I Brainstorming Gi gḡvḡḡ e'w³Rxeḡb/Kgḡyḡḡ/mgvR Rxeḡb Z' I thvMḡthvM chḡp³ i cfvemḡni Zwj Kv cḡZ KiḡZ cviḡi Ges tḡv'w'cḡZ'K `j i cḡqU j vḡj ḡL GKıU mḡvıY HKḡZ' tḡvḡZ cviḡi • wḡyḡḡKi wbt' Rbvḡ `j MZ KvḡRi dj vḡj Dc'vcb KiḡZ AvMḡ cḡvk KiḡZ cviḡi • emoi KvḡR wntḡḡe e'w³Rxeḡb/Kgḡyḡḡ/mgvR Rxeḡb Z' I thvMḡthvM chḡp³ i cfve wetḡq tcv÷vi wRvBb Kiḡe 	<ul style="list-style-type: none"> • ḡḡyḡḡK Avf'ıYvi gḡvḡḡ wḡyḡḡ i KḡZZ; hvPvB Kiḡeb • tḡyḡ Avf'ıYvi gḡvḡḡ wḡyḡḡ i AvRZ' Avb I `yZv hvPvB Kiḡeb • wbaḡi Z gvb`ḡEi Avḡj vḡK `j MZ KvḡR gj'vqb Kiḡeb • wbaḡi Z gvb`ḡE Avḡvqḡ tcv÷vi gj'vqb Kiḡeb • wbaḡi Z gvb`ḡE Avḡvqḡ wḡyḡḡ i AvMḡ, `j MZ KvḡR mncvXḡ' i mḡḡ mḡthvMZvgj'K AvPiY Ges tḡZḡZi j vḡew gj'vqb Kiḡeb • eml R I Aaewl Rıx cıxıvḡ wḡeḡ³K cḡkḡ gḡvḡḡ wḡyḡḡ i KḡZZ; hvPvB Kiḡeb

WZiq Aa'vq: KufúDUvi msikó hšcwZ (14 wci qW)

wLbdj	wel qe''	wLb-tkLufbv wbt` Rbv	wetkl gj`vqb wbt` Rbv
<p>ey`eE'xq</p> <ol style="list-style-type: none"> 1. KufúDUvi i weifbohšystki Kvhewj eYbv KiZ cvi te 2. KufúDUvi i weifbohšystki cvi`úwi K m=úK`e`vL`v KiZ cvi te <p>gibwčukR</p> <ol style="list-style-type: none"> 3. KufúDUvi i wPĪ GĪK Gi weifboe hšcwZ wPryZ KiZ cvi te <p>AvteMxq</p> <ol style="list-style-type: none"> 4. we`vj tq we`gvb Z` I thvMthvM čhy³ i hšcwZ thš_fvte wgtj wgtk e`envi KiZ Drmwx I mnvbfwZkxj nte 5. Z` I thvMthvM čhy³ m=úKZ Ávb I`jZv ARfb ci`úitK mnvqZv Ki te 6. `j MZ KvR- <ul style="list-style-type: none"> • mnwqfvte AskMhY KiZ AvMhx nte • mncwxt` i gZvgZ` i atZj mvt` MhY Ki te • tbZzj c0 vtb Drmwn cKvk Ki te 	<p>KufúDUvi msikó hšcwZ</p> <ul style="list-style-type: none"> • Bbcj wVfVbm <ul style="list-style-type: none"> o KiteW^o o gvDm o gvBtjvtdvb o wWtRUj K`vgtiv/I tqe K`vg o `vrbvi o I GgAvi (OMR) • c0mms wVfVbm <ul style="list-style-type: none"> o gv`viteW^o o c0mmi o i`vg (RAM) o ig (ROM) o mvDÜKw^o o Mhnd` Kw^o • t÷v`iR wVfVbm <ul style="list-style-type: none"> o nvWw`c o wmw/wWfW/d`vk WBF/tggix Kw^o • AvDUcj wVfVbm <ul style="list-style-type: none"> o gmbUi o wcuvi o w`úKvi /tnWtdvb o gwëwWq c0R±i 	<p>wkġK hv KiZ cvi b</p> <ul style="list-style-type: none"> • wkġv`x^o i AwfÁZvi Avtj vtK ckaDÉti i gva`tg cvW Kvhewj i iæKiZ cvi b • KufúDUvi msikó hšcwZ c0 k0ceR (th tġġġ c0 k0 m=ë bq tm tġġġ PvU`Qwe, textW`A`b A`ev WvqMġgi mnvth`) G`tjvi e`envi eYbv KiZ cvi b • tRvovq` tj Avtj vPbv Kti c0 k0KZ KufúDUvi i weifbohšystki KvRi Zwj Kv`Zwi Kti tk0YtZ Dc`vcb KiZ ej tZ cvi b • PvU^o wPĪ e`envi Kti KufúDUvi i weifbohšystki cvi`úwi K m=úK` e`vL`v KiZ cvi b • `vbxq th mKj e`w³ A`ev c0Z0vb KufúDUvi msikó hšcwZ e`envi Kti b wkġv`x^o i Zv chfeġġi e`e`v KiZ cvi b • BvUv tbtUi mnvqZv wbtq gwëwWq e`envi Kti KufúDUvi msikó hšcwZ c0 k0ceR G` i e`envi AvKġqfvte Dc`vcb KiZ cvi b • `j MZfvte Avtj vPbv Kti KufúDUvi msikó hšcwZi KvR I cvi`úwi K m=úK`el tq c0Zte`b`Zwi KiZ ej teb • GKKfvte KufúDUvi i wPĪ GĪK Gi weifbohšcwZ wPryZ KiZ ej teb <p>wkġv`x^o hv KiZ cvi</p> <ul style="list-style-type: none"> • ckaKti eštZ bv cviv wel q`tjv fij fvte tRtb wbtZ cvi • c0kZ KufúDUvi i hšcwZ`tjvi KvRi Zwj Kv/PvU`c0Z KiZ cvi • th me e`w³/c0Z0vb KufúDUvi i e`envi Kti Zv` i Kvhewj chfeġġi ci`j MZfvte c0Zte`b tkiYtZ tck KiZ cvi • ewoi KvR wntmte Z` I thvMthvM čhy³ msikó hšcwZ wel tq c0Zte`b`Zwi Ki te • mnthwMZvgj K gtbvfvte wbtq we`vj tq we`gvb Z` I thvMthvM čhy³ msikó hšcwZ thš_fvte e`envi Ki te 	<ul style="list-style-type: none"> • tgšLk Afxyvi gva`tg wkšv`x^o i KwZj hvPvB Ki te • tk0Y Afxyvi gva`tg wkšv`x^o i AwRZ Ávb I`jZv hvPvB Ki te • wbaWi Z gvb`Éi Avtj vtK `j MZ KvR gj`vqb Ki te • wbaWi Z gvb`É Abhvx wRvBbKZ tcv=vi gj`vqb Ki te • wbaWi Z gvb`É Abhvx wel tqi c0Z wkšv`x^o i AvMh, `j MZ KvR mncwxt` i mvt` mnthwMZvgj K AvPiY Ges tbZtZj` Yvevj gj`vqb Ki te • eml R I Aaewl Rx cixyvq %æ³K c0K0 gva`tg wkšv`x^o i KwZj hvPvB Ki te

ZZiq Aa'vq : wivc` I `bwZK e'envi (08 ucwi qW)

wLbdj	velqe'	wLb-fkLvbv wbt` Rbv	wetl gj`vqb wbt` Rbv
<p>eyxeExq</p> <p>1. grIvZwi³ e'envtii yvZKi w`K,tjv e'vL'v KiTZ cvite </p> <p>2. mvgwRKtj'at Gi cfve eYv KiTZ cvite </p> <p>3. Z_ I thvMthvM chp³ i e'envi m=utKZ AvBb e'vL'v KiTZ cvite </p> <p>4. wivc` I `bwZK e'envtii cOqvRbxqZv e'vL'v KiTZ cvite </p> <p>gfbvctvkr</p> <p>5. grIvZwi³ e'envtii cwi YvZ m=utK⁶ KvU⁶ AvKtZ cvite </p> <p>AvteMiq</p> <p>6. Z_ I thvMthvM chp³ i `bwZK e'envtii D0j nte </p> <p>7. Z_ I thvMthvM chp³ i wivc` e'envtii Drmrvn nte </p> <p>8. `jMZ KvR-</p> <ul style="list-style-type: none"> • mqvqvite AskMhY KiTZ AvMh nte • mncvxt`i gZvgZ ,iaZji mvt_ MhY KiTe • tbZZ; cvtB Drmrvn cKvk KiTe 	<p>wivc` I `bwZK e'envi</p> <ul style="list-style-type: none"> • mtpZb e'envi • Avm³ <ul style="list-style-type: none"> o tMgm o mvgwRK mgmv • KucivBU • `bwZKZv • tcvRqmi Rg 	<p>wkYK hv KiTZ cvtib</p> <ul style="list-style-type: none"> • wkv_xp i AvFAZvi AvtjvtK ckaDEtii gra'tg cvV kvh'rg i iaeKiTZ cvtib • PfvUqj tL Z_ I thvMthvM chp³ i hScwZmgfni grIvZwi³ e'envtii yvZKi w`K,tjv e'vL'v KiTZ cvtib • wkyv_# i tK cv'cy' tKi msikw AskUKzbxite cv Kti `jMZ fite wivc` I `bwZK e'envtii Dcvqmgfni Zvij Kv cOZ KiTZ ejtZ cvtib Ges tkvtZ Dc`vcv KiTZ ejtZ cvtib • Brainstorming gra'tg mvgwRK tjt'at Z_ I thvMthvM chp³ i wivc` I `bwZK e'envtii cOqvRbxqZv m=utKZ gZvgZ textWqj tL AvtjvPbv gra'tg mvavi Y HKgtZ` AvmtZ ejtZ cvtib cieZ#Z cv'cy' tKi msikw Ask cvtVi gra'tg wLbtK AvI mjsnz KiTZ cvtib • BvritbtUi/gvnevgwVqv e'envi Kti KuvDUrtii grIvZwi³ e'envtii yvZKi w`K/ mvgwRK tjt'at Gi cfve/wivc` I `bwZK e'envtii Dcvqmgfni AvKI Yqv fite Dc`vcv KiTZ cvtib • grIvZwi³ e'envtii Kdij m=utK⁶ KvU⁶ AvKtZ ejteb • Zj bvgj K fite AMhigv wkyv_# i tK `yU `tj wef³ Kti tkvtZ veZtK⁶ AvtqvRb KiTZ cvtib veZtK⁶ AskMhYi Rb` mevBtK Aa'vqu fvtjv Kti covi Rb` emoi KvR w`tz cvtib <p>veZtK⁶ D`vniY:</p> <p>velq: Oevsj vt`tki tcvytZ Z_ I thvMthvM chp³ e'envi wivc` bq0 cOZ `tj AbwaK wZbRb wkyv_p_vKtZ cvti Zviv wba#i Z Zwi tL cieZPkvfm veZtK⁶ Ask wte emoi t`K veZtK⁶ Rb` tbiU `Zwi Kti cOwZ wbtq AvmtZ ejteb wkyv veZtK⁶ wbgg Abjviti AbjvbiU cwi Pvj bv KiTe </p> <p>wkyv_# v hv KiTZ cvti</p> <ul style="list-style-type: none"> • wkyv tKi wbt` Rbv Abhvqx cv'cy' K cto Ges `jMZ AvtjvPbv Kti hScwZmgfni grIvZwi³ e'envtii yvZKi velq,tjvi Zvij Kv cOZ KiTZ cvti • wkyv tKi wbt` Rbv `jMZ KvRi djvdj Dc`vcv KiTZ AvMh cKvk KiTZ cvti • grIvZwi³ e'envtii cwi YvZ m=utK⁶ KvU⁶ AvKte • `jMZ fite wivc` I `bwZK e'envtii Dcvqmgfni Zvij Kv cOZ KiTZ cvti • veZtK⁶ AskMhY Kivi jty' Aa'vqu fvtjv fite emotZ Aa'qb Ges cOqvRbxq ,iaZcY velq,tjv tbiU KiTZ cvti • hviv veZtK⁶ AskMhY KiTe bv Zviv tkvtZ wntmte Abjv Dc'fvm KiTZ cvti 	<ul style="list-style-type: none"> • tgsMLK Afxyvi gra'tg wkyv_# i KwZZ; hvPvB KiTe • tkvt Afxyvi gra'tg wkyv_# i AvRZ Avb I `yZv hvPvB KiTe • wba#i Z gvb` tEi AvtjvtK `jMZ KvR gj`vqb KiTe • wkyv veZK⁶ Abjv Dc`vncZ hv³ mgn gj`vqb Kti djvdj tWivYv KiTe • wba#i Z gvb` E Abhvqx AvKv KvU⁶ gj`vqb KiTe • wba#i Z gvb` E Abhvqx wkyv_# i AvMh, `jMZ KvR mncvxt` i mvt_ mnthvMZvgj K AvPiY Ges tbZtji ,Yvevj gj`vqb KiTe • ewl R I Aaewl Rv cixvq `be⁶ K cka gra'tg wkyv_# i KwZZ; hvPvB KiTe

PZL @Aa`vq : I qW@c0mms (25 wci qW)

wLbdj	wcl qe`	wLb-tkLvtbv wbt`Rbv	wetkl gj`vqb wbt`Rbv
<p>eyxeEiq</p> <ol style="list-style-type: none"> 1. mwK cwi fvlv e`envi Kti I qW@c0mms c0mmsi e`envi i tKSkj e`vL`v KitZ crite 2. ersj v KxteW`e`envi tKSkj e`vL`v KitZ crite 3. WKtgU e`e`vcbv e`vL`v KitZ crite <p>gtbvtckR</p> <ol style="list-style-type: none"> 4. I qW`e`ersj v WKtgU `Zwi KitZ crite 5. mpfite WKtgU e`e`vcbv KitZ crite 6. `f`Sjk Gwotq wivct` Z` I thvMthvM chv`i hšcwZ e`envi KitZ crite <p>AvteMiq</p> <ol style="list-style-type: none"> 7. `f`Sjk Gwotq wivct` Z` I thvMthvM chv`i hšcwZ e`envi AvMbx nte 8. KwúDuri e`envi i tytî mnthvMZvgj K AvPi Y Ki te 9. `j MZ KvR- <ul style="list-style-type: none"> • mwqfite AskMhY KitZ AvMbx nte • mncvxt` i gZvgZ , i#Zj mft` MhY Ki te • tbZZ; c0vfb Drmn cKvk Ki te 	<p>I qW@c0mms</p> <ul style="list-style-type: none"> • I qW@c0mms <ul style="list-style-type: none"> o ersj v KxteW`Gi e`envi o ersj vq tj Lv o ditguUs o GwWUs o wcbUs • WKtgU e`e`vcbv 	<p>wkYK hv KitZ cvtib</p> <ul style="list-style-type: none"> • wkYv`f` i AwfAZvi Avtj vtK I qW@c0mms m`utK`c0k`eDÉti i gra`tg wLb-tkLvtbv Kvhpig i iæKitZ cvtib • I qW@c0mmti ersj v mDUl q`vi PjyGes ersj v KxteW`e`envi Kivi c`wZ c`k0 Ki teb • Z` I thvMthvM chv`i mrvh` wbtq I qW@c0mmti ersj v KxteW`e`envi i tKSkj e`vL`v Kti wLtb mrvqZv c0vb KitZ cvtib • GKKfite ersj v cvW` eB t`_tK evK` wj tL ditguUs, GwWUs I w3U Gi ci wR bvtg Zv msi`yY (tmBf) Kti I qW@c0mmsi t`_tK tei nl qvi c`wZ c0k0 Ki teb • wkYv`f` i tK cvti msk0 AskUKzcto `j MZfite WKtgU e`e`vcbv c0qvRbxqZv m`utK`c0Zte` b wj LtZ ejtZ cvtib <p>wkYv`f` hv KitZ cvti</p> <ul style="list-style-type: none"> • cvti msk0 AskUKzcto `j MZfite WKtgU e`e`vcbv c0qvRbxqZv m`utK`c0Zte` b wj LtZ cvti • wkYtKi wbt`Rbvq `j MZ KvRi djvdj Dc`vcb KitZ AvMh cKvk Ki te • I qW@c0mmti ersj v KxteW`e`envi i tKSkj `j MZ Avtj vPbrq e`vL`v KitZ cvti • GKKfite ersj v cvW` eB t`_tK evK` wj tL ditguUs, GwWUs I w3U Gi ci wR bvtg Zv msi`yY (tmBf) Kti I qW@c0mmsi t`_tK tei nte • SjkGp`fite Z` I thvMthvM chv`i e`envi Ki te • mnthvMZvgj K gtbvite wbtq we`vjtq we`gub Z` I thvMthvM chv`i hšcwZ thš`fite e`envi Ki te 	<ul style="list-style-type: none"> • tgšLK Afxyvi gra`tg wkYv`f` i KwZZ; hvPvB Ki teb • tk0Y Afxyvi gra`tg wkYv`f` i AwRZ Avb I `yZv hvPvB Ki teb • wba0i Z gub`fEi Avtj vtK `j MZ KvR gj`vqb Ki teb • WKtgU ditguUs, GwWUs I w3U Kivi mÿgZv chfeyY Kti gj`vqb Ki teb • I qW@c0mms mDUl q`vi e`envi Kti ersj v tj Lvi KvR chfeyY Kti gj`vqb Ki teb • Z` I thvMthvM chv`i SjkGp` e`envi chfeyY Kti gj`vqb Ki teb • wba0i Z gub`E Abhvqx wkYv`f` i AvMh, `j MZ KvR mncvxt` i mft` mnthvMZvgj K AvPi Y I tbZtZi , Yewj gj`vqb Ki teb • ewl R I Aaewl Rx cixyiq `be0K c0k0 gra`tg wkYv`f` i KwZZ; hvPvB Ki teb

cÂg Aa`vq: wkyvq BUVi tbtUi e`envi (16 wci qW)

wLbdj	wel qe`	wLb-tkLvtbv wbt`Rbv	wetkI gj`vqb wbt`Rbv
<p>ew`eEwq</p> <ol style="list-style-type: none"> 1. wkyvtÿtÎ BUVi tbtUi ,iaz; wetkI Y KiTZ cvi te 2. wkyvtÿtÎ BUVi bU e`envi KiTZ cvi te <p>gÿbtvcukR</p> <ol style="list-style-type: none"> 3. I tpe eDRvi e`envi Kti (cW` wel tqi) wkyv msukw Z` AbmÜvb KiTZ cvi te 4. `SÿK Gwotq wivct` Z` I thvMthvM chÿ³ i hšcwZ e`envi KiTZ cvi te <p>Avtelwq</p> <ol style="list-style-type: none"> 5. BUVi tbtU mawKZ BmjTZ `j MZ Avtj vPbvqq mµqfite AskMthY AvMthx nte 6. Z` I thvMthvM chÿ³ i hšcwZ wgtj wgtk e`envi Ges `ÿZv ARfb ci`úiK mnvqZv KiTZ Drmwx nte 7. `SÿK Gwotq wivct` Z` I thvMthvM chÿ³ i hšcwZ e`envi AvMthx nte 8. `j MZ KvR- <ul style="list-style-type: none"> • mµqfite AskMthY KiTZ AvMthx nte • mncWt`i gZvgZ ,iaz; mvt` MthY Ki te • tbZZ; cÜv b Drmwn cKvk Ki te 	<p>wkyvq BUVi tbtUi e`envi</p> <p>wkyvq BUVi tbtU</p> <ul style="list-style-type: none"> • ,iaz; • avi Yv • mgm`v I m`tebv <p>I tpe eDRvi e`envi Kti wkyv msukw- Z` AbmÜvb (µm KwI Kj vi)</p>	<p>wkyK hv KiTZ cvi b</p> <ul style="list-style-type: none"> • cKwDËi cxwZtZ wkyv_# ceAwfÁZv hvPvB Kti wLbNtkLvtbv Kvhpig i iæKiTZ cvi b • Avtj vPvbi gva`tg BUVi tbtUi ,iaz; Ges wkyvq I tpe e`envi i cÜqvRbxqZv Ztj aiTZ cvi b • msukw cviVi AskUKzbxite cW Kti `j MZ fite wkyv_# i tK wkyvtÿtÎ BUVi tbtUi ,iazmgfni GKwU Zwj Kv cÜZ KiTZ ejTZ cvi b • Kxfite I tpe eDR Kti wkyv msukw Z` msMh Kiv hvq Zv cÜ kÜ Ki te b • cÜZ`K wkyv_#K I tpe eDRvi e`envi Kti I tpe mvtBU cÜk KiTZ mnvqZv Ki te b(GtÿtÎ wkyK wkyv mµsI wewfbawKI Ywq I tpe mvtBU e`envi KiTZ ejTZ cvi b) <p>D`viY :</p> <p>http://www.imo.math.ca http://www.wikipedia.org http://www.kids.nationalgeographaic.com http://kids.yahoo.com/</p> <p>wkyv_#hv hv KiTZ cvi</p> <ul style="list-style-type: none"> • GKK/`j MZ Avtj vPbvqi gva`tg BUVi tbtUi ,iaz; Ges wkyvq I tpe e`envi i tÿt mgn wPwYZ KiTZ cvi • wkytKi wbt`Rbvq `j MZ KvRi dj v d j Dc`vcb KiTZ AvMh cKvk Ki te • I tpe eDRvi e`envi Kti wkyv mµsI Z` AbmÜvtbi ci GKK/`j MZ fite cÜZte`b`Zwi Ki te <p>AbmÜvtbi welq: Rjevqy Rxe`wPI` , tmsi RMr, fvgKaw BZ`w </p> <ul style="list-style-type: none"> • SÿK gÿ fite Z` I thvMthvM chÿ³ i e`envi KiTZ cvi te • mnthwMZvgj K gtbv fite wbtq we`vj tq we`gib Z` I thvMthvM chÿ³ i hšcwZ thS`fite e`envi KiTZ cvi 	<ul style="list-style-type: none"> • tgwLk Afxyvi gva`tg wkyv_# i KwZZ; hvPvB Ki te b • tkw Afxyvi gva`tg wkyv_# i wkyvtÿtÎ BUVi tbtUi ,iazçy` e`envi mgn mawKZ AwRZ Ávb I `ÿZv hvPvB Ki te b • wbañi Z gvb` tEi Avtj vtK `j MZ KvR gj`vqb Ki te b • eDRvi e`envi Kti I tpe mvtBU cÜk Kivi mÿgZv chÿÿY Kti gj`vqb Ki te b • I tpe eDRvi e`envi Kti wkyv mµsI Z` AbmÜvtbi ci `j MZ fite `Zwi cÜZte`b wbañi Z gvb` É Abjhvx gj`vqb Ki te b • SÿK gÿ fite Z` I thvMthvM chÿ³ i e`envi i mÿgZv chÿÿY Kti gj`vqb Ki te b • wbañi Z gvb` É Abjhvx wkyv_# i AvMh, `j MZ KvR mncWt`i mvt` mnthwMZvgj K AvPi Y I tbtZi `Ywew gj`vqb Ki te b • ewl R I Aaewl Rxi cixyq `beq³K cÜk gva`tg wkyv_# i KwZZ; hvPvB Ki te b

11. $\mu\kappa\acute{\upsilon}\nu\mu\omicron\gamma$ ΟΚ

Αόγ τκ \mathbb{N}

cŭg Aa'vq: Z_ I thvMthvM chp³i iaZi (08 vcvii qW)

wKLbdj	wel qe''	wKLb-tkLvfbv vbt` Rbv	wetkl gj`vqb vbt` Rbv
<p>epxeEiq</p> <ol style="list-style-type: none"> Z_ I thvMthvM chp³iZ Kgfms`vbi mthvM e'vL'v KiZ crite thvMthvM Mi tytI Z_ I thvMthvM chp³i fvgKv e'vL'v KiZ crite e'emv ewYtR'i tytI Z_ I thvMthvM chp³i mthvM e'vL'v KiZ crite miKwi KvhErg Z_ I thvMthvM chp³ e'envti iaZi eYv KiZ crite vPvKrmv tytI Z_ I thvMthvM chp³i Ae'v e'vL'v KiZ crite Mtel Yvi tytI Z_ I thvMthvM chp³i fvgKv e'vL'v KiZ crite <p>gfbvCvKR</p> <ol style="list-style-type: none"> cvV msikw nel tq AbmÜvb cwi Pvj bv Kti cŭB djvdjtj i GKwJ cŭZte`b (lqvW@cŭmmi Gi gra'tg) `Zwi KiZ crite `v`SvK Gwotq vbtvct` Z_ I thvMthvM chp³i hšcvMZ e'envi KiZ crite <p>Avtelmq</p> <ol style="list-style-type: none"> `j MZ KvR- <ul style="list-style-type: none"> muvqfvte AskMŭY KiZ AvMŭx nte mncvVt`i gZvgZ iaZi mvt_ MŭY Kite tbZZi cŭvfb Drmwn cKvk Kite 	<p>Z_ I thvMthvM chp³i iaZi</p> <ul style="list-style-type: none"> Kgfms`vb thvMthvM e'emv ewYR' miKwi KvhErg vPvKrmv Mtel Yv 	<p>wKqK hv KiZ criteb</p> <ul style="list-style-type: none"> cŭkwEti gra'tg Z_ I thvMthvM chp³i iaZcY'ytImga m=utK© wkyv_ŭ i ceAvb hvPvB KiZ criteb cv'cyK I vbtRi AwfAZvi Avtj vK Ges ev`e D`vniY e'envi Kti wkyv_ŭ i avi Yv Avi l mpsnz KiZ criteb Z_ I thvMthvM chp³i Amxg m=ebv l iaZi e'vL'v ci wkyv_ŭ i `tj wef³ Kti cvtVi Pwn`v Abhvqx `j MZ KvR cŭvb KiZ criteb `j MZ KvRi mgq wkyK cŭZ`K `tj i KvR chp³yY Kiteb Ges cŭqvRbgZ `j `tj vK mrvqZv cŭvb Kiteb Brainstorming Gi gra'tg Z_ I thvMthvM chp³i iaZcY'ytImga vPvYZ KiZ ejtZ criteb Z_ I thvMthvM chp³ (gme'vgnWqv) e'envi Kti Z_ I thvMthvM chp³i iaZcY'ytImga AvKl'vqvfvte Dc`vcb KiZ criteb Z_ I thvMthvM chp³ e'envi `y e'v eMfK G nel tq AwfAZvi vebgtqi Rb`tkŭYKty Avn'v RvbtZ criteb Z_ I thvMthvM chp³ e'eÜZ nq Ggb cŭZvb, tk`A_erv tgj vq wkyv_ŭ i vbtq thZ criteb <p>wKqv_ŭ hv KiZ crite</p> <ul style="list-style-type: none"> Z_ I thvMthvM chp³i iaZcY'ytImga `j MZ Avtj vPvbi gra'tg wj wceX Kti tkŭtZ Dc`vcb KiZ crite `j MZ Avtj vPvq cv'cyK i mrvqZv vbtq l Brainstorming Gi gra'tg Z_ I thvMthvM chp³i iaZcY'ytImga vPvYZ KiZ crite Ges terfW© cŭZ`K `tj i ctqU_`tj vj tL GKwJ maviY HKgtZ` tcvrtZ crite wkytKi vbt`Rbvq `j MZ KvRi djvdj Dc`vcb KiZ AvMh cKvk Kite cvV msikw nel tq AbmÜvb cwi Pvj bv Kti cŭB djvdjtj i GKwJ cŭZte`b `Zwi Kite (lqvW@cŭmmi e'envi Kti Dc`vcb KiZ crite) 	<ul style="list-style-type: none"> tgšLk Afx'vi gra'tg wkyv_ŭ i KwZZi hvPvB Kiteb tkŭY Afx'vi gra'tg wkyv_ŭ i AwRZ Avb l `yZv hvPvB Kiteb vbaŭi Z gvb`tEi Avtj vK `j MZ KvR gj`vqb Kiteb vbaŭi Z gvb`E Abhvqx AbmÜvbqj K KvRi gj`vqb Kiteb& vbaŭi Z gvb`E Abhvqx wkyv_ŭ i AvMŭ, `j MZ KvR mncvVt` i mvt_ mnthvMZvgj K AvPiY Ges tbZtZi `yvej gj`vqb Kiteb eml R l Aaeml R x cix'vq `be³K cŭkŭ gra'tg wkyv_ŭ i KwZZi hvPvB Kiteb

ZZiq Aa'vq: Z_ I thvMthvM chv³i wivc` I `bwZK e`envi (10 wci qW)

wLbdj	welqe`	wLb-tkLvfbv vbt` Rbv	wetkl gj`vqb vbt` Rbv
<p>ey`eEiq</p> <ol style="list-style-type: none"> hšcwZi wivc` e`envti i azj; e`vL`v KiTZ cvite Z_ I thvMthvM chv³e`envti `bwZKZvi i azj; e`vL`v KiTZ cvite `pMZ wimtb Z_ I thvMthvM chv³i i azj; e`vL`v KiTZ cvite Z_ AwaKvi e`vL`v KiTZ cvite <p>gibv`cukR</p> <ol style="list-style-type: none"> cvml qW⁹ tq WKtgU i yv Kivi c×wZ c0qM KiTZ cvite SyKgy³ fivte Z_ I thvMthvM chv³i hšcwZ e`envi KiTZ myg nte <p>AvtelMxq</p> <ol style="list-style-type: none"> Z_ I thvMthvM chv³i wivc` I `bwZK PPPKiTZ AvMhx nte `j MZ KvR- <ul style="list-style-type: none"> mwuqfivte AskMhY KiTZ AvMhx nte mncvxt` i gZvgZ i azji mvt_ MhY Kite tbZZi; c0vfb Drmnv cKvk Kite 	<p>wivcE`v welqK aviYv</p> <ul style="list-style-type: none"> fivBivm Abj vBb AvBtWwUwU I cvml qW⁹ `u`vg I g`vj I q`vi `bwZKZvi i azj; <ul style="list-style-type: none"> o mvBevi Aciva o n`vukS o `pMZ wimb o Z_ AwaKvi 	<p>wkyK hv KiTZ cvtib</p> <ul style="list-style-type: none"> wkv`v` i AwfAZvi Avtj vtK c0kEi Gi gra`tg cvW Kivpug i iæKiTZ cvtib wkyv` i iK cv`cy`Ki msuk0 AskUKzbi te cvW Kti wivc` I `bwZK e`envti i Dcvqmgfni Zvwj Kv c0Z KiTZ ej tZ cvtib wkyv` i Brainstorming Gi gra`tg tertW`wivc` I `bwZK e`envti i i azji c0qU i jv wj LtZ ej tZ cvtib cieZ`Z cv`cy`Ki msuk0 Ask cvtVi gra`tg wLbtK Avi I mmsnZ KiTZ cvtib `v`SvK I wivc` e`envti i Dciq i jv e`vL`v Kti c0k0 KiTZ cvtib `v`SvKi Govtvi Dcvqmgf nelq i jv c0k0 Kti t` Lvfbvi Rb` wkyv` i AvnYvb RvbtZ cvtib wkyv` i iK `jU` t j wef³ Kti tkivtZ weZiK⁹ AvtqvRb KiTZ cvtib weZiK⁹ AskMhYi Rb` mevBtK Aa`vquU fvij v Kti covi Rb` emoi KvR w` tZ cvtib <p>weZiK⁹ D`vniY:</p> <p>welq: 0Bvvi`tbU e`envi B`bwZK Aeýtqi GKgvI KviY0 c0Z` t j AbwaK wZbRb wkyv` vKtZ cvti Zvi v wba`ni Z Zwi tL weZiK⁹ Ask wte emoi t` tK weZiK⁹ Rb` tlvU `Zwi Kti c0wZ wbtq AvmtZ ej teb wkyK weZiK⁹ wbgq Abjvni AbjvbwU cwi Pvj bv Kiteb </p> <p>wkyv` hv hv KiTZ cvti</p> <ul style="list-style-type: none"> wkytKi wbt` Rbv Abjvq cv`cy`K cto Ges `j MZ Avtj vPbvq Kti wivc` I `bwZK e`envti i Dcvqmgfni Zvwj Kv c0Z KiTZ cvti Bvvi`tbU e`envi Kti wivc` I `bwZK e`envti i i azcY`welq i jv LvZiq wj wce× KiTZ cvti wivc` e`envti i Dciq Awfbtqi gra`tg Dc`vcb KiTZ cvti weZiK⁹ AskMhY Kivi j ty` Aa`vquU fvij fivte emotZ Aa`qb Ges c0qvRbxq i azcY`welq i jv tlvU KiTZ cvti 	<ul style="list-style-type: none"> tgšLk Afixvi gra`tg wkyv` i KwZi; hvPvB Kiteb tk0Y Afixvi gra`tg wkyv` i AwRZ Avb I `yZv hvPvB Kiteb wba`ni Z gvb` tEi Avtj vtK `j MZ KvR gj`vqb Kiteb wba`ni Z gvb` E Abjvq cvml qW⁹ tq WKtgU i yv Kivi mygZv gj`vqb Kiteb wkyK weZK⁹ Abjv`bi gvb gj`vqb Kti djvdj tNvYv Kiteb wba`ni Z gvb` E Abjvq wkyv` i AvMh, `j MZ KvR mncvxt` i mvt_ mnthwMZigj K AvPiY Ges tbZiZi i Yvevj gj`vqb Kiteb eml R I Aaewl Rx cixyvq `be³K c0k0 gra`tg wkyv` i KwZi; hvPvB Kiteb

PZL @Aa'vq: t'úWnkU e'envi (22 wci qW)

wLbdj	wele qe''	wLb-tkLvbv wbt`Rbv	wetkl gj`vqb wbt`Rbv
<p>eyxexq</p> <p>1. Z_ I thvMthvM chv³ Ges t'úWnkU Gi gta' m'úK⁹e'vL'v Ki tZ cvi te </p> <p>2. t'úWnkU mdUl q'vi e'envi i tyĪ wPwYz Ki tZ cvi te </p> <p>3. t'úWnkU mdUl q'vi e'envi i DfĪ k' e'vL'v Ki tZ cvi te </p> <p>4. t'úWnkU mdUl q'vi e'envi i tKSkj eY⁹ Ki tZ cvi te </p> <p>gtbtckR</p> <p>5. t'úWnkU mdUl q'vi e'envi Kti MwywZK KvR m'úv`b Ki tZ cvi te </p> <p>6. t'úWnkU mdUl q'vi e'envi Kti evi WvqvMög`Zwi Ki tZ cvi te </p> <p>7. t'úWnkU mdUl q'vi e'envi Kti MwywZK KvR m'úv`b Ki tZ cvi te </p> <p>AvteMbx</p> <p>8. Z_ I thvMthvM chv³ i hšcwZ wgtj wgtk e'envi Ges`yZv AR⁹ b ci`úitK mrvqZv Ki tZ AvMbx nte </p> <p>9. `jMZ KvR-</p> <ul style="list-style-type: none"> • m'úv`b AskMöY Ki tZ AvMbx nte • mncvVt`i gZvgZ`iaZj mvt` MhY Kite • tbZZj c0v⁹ b Drmyn cKvk Ki tZ 	<p>Z_ I thvMthvM chv³ Ges t'úWnkU</p> <ul style="list-style-type: none"> • t'úWnkU aviyv • Z_ I thvMthvM chv³ Ges t'úWnkU Gi gta' m'úK⁹ • t'úWnkU mdUl q'vi e'envi i DfĪ k' • t'úWnkU mdUl q'vi e'envi i tKSkj • t'úWnkU mdUl q'vi e'envi i tyĪ <ul style="list-style-type: none"> o MwywZK KvR o evi WvqvMög 	<p>wkYK hv Ki tZ cvi b</p> <ul style="list-style-type: none"> • wkY⁹ i AwfAZvi Avtj vtK t'úWnkU m'úK⁹c0k⁹ Ei Gi gta' tg cvW Kvh⁹g i iæ Ki tZ cvi b • Z_ I thvMthvM chv³ i mrvh' wbtq t'úWnkU Gi aviyv, Z_ I thvMthvM chv³ i mvt` Gi m'úK⁹ iæzj c0 k0ceR e'envi c'wZ e'vL'v Kti wLtb mrvqZv c0vb Ki tZ cvi b • wkY⁹ i tK cvi vi msuk0 AskUKzcto`jMZ fite Z_ I thvMthvM chv³ tZ t'úWnkU Gi iæzmgfni GKwJ Zwj Kv c0'Z Ki tZ ej tZ cvi b • t'úWnkU PjyKivi c'wZ c⁹ k0 Ki tZ • t'úv vi i dvBj L⁹ t'úWnkU WKt⁹U msi`yY Kivi c'wZ t`Lvteb • t'úWnkU mdUl q'vi e'envi Kti MwywZK KvR m'úv`b Kivi tKSkj c0 k0 Ki tZ • t'úWnkU mdUl q'vi e'envi Kti evi WvqvMög`Zwi Kivi tKSkj c0 k0 Ki tZ (Gt'ytĪ wkYK 3N5 wJ t`tki RbmsL'v, wLtkU tLj vi c0g 10 i fvtii i fvi c0Z ivb BZ`w` DcvE e'envi Ki tZ cvi b) • t'úWnkU t`tK tei nI qvi c'wZ t`Lvteb <p>wkYv`i hv Ki tZ cvi</p> <ul style="list-style-type: none"> • cvi vi msuk0 AskUKzcto`jMZ fite Z_ I thvMthvM chv³ tZ t'úWnkU Gi iæzj wltq GKwJ c0Zte`b`Zwi Ki tZ cvi • wkY⁹ i tK wbt`Rbv Abhvqx t'úWnkU mdUl q'vi e'envi Kti MwywZK KvR m'úv`b Ki tZ • GKK/`jMZ fite wkY⁹ i tK wbt`Rbv Abhvqx t'úWnkU mdUl q'vi e'envi Kti evi WvqvMög`Zwi Ki tZ • S⁹YK⁹ fite Z_ I thvMthvM chv³ i e'envi Ki tZ • mnt'hwMZvgj K gtbv fite wbtq we`vj t⁹ we`g⁹ Z_ I thvMthvM chv³ i hšcwZ thš` fite e'envi Ki tZ 	<ul style="list-style-type: none"> • tgšLk Afxyvi gta' tg wkY⁹ i K'wZj hvPvB Ki tZ • tKwY Afxyvi gta' tg wkY⁹ i AvRZ Avb i`yZv hvPvB Ki tZ • wba⁹ Z gvb` tEi Avtj vtK`jMZ KvR gj`vqb Ki tZ • wba⁹ Z gvb` E Abhvqx t'úWnkU mdUl q'vi e'envi Kti MwywZK KvR m'úv`b Kivi m'ygZv gj`vqb Ki tZ • wba⁹ Z gvb` E Abhvqx t'úWnkU mdUl q'vi e'envi Kti evi WvqvMög`Zwi Kivi m'ygZv gj`vqb Ki tZ • wba⁹ Z gvb` E Abhvqx wkY⁹ i AvMö,`jMZ KvR mncvVt`i mvt` mnt'hwMZvgj K AvPiY Ges tbZtZj`yvej gj`vqb Ki tZ • ewl R i Aaewl R⁹ cixy⁹ v`be⁹ K c0k⁹ gta' tg wkY⁹ i K'wZj hvPvB Ki tZ

12. tj LK vbt` Rbv

eisjv`tk Z` I thvMthvM chv³ vel qW ló, mBg I Aóg tkYi vkvµtg cÚg msthvRb| atí tbi qv hvq, Avgv`i Avakvsk vkvµZ` I thvMthvM chv³ meútkFvtj vfvte AemZ bq| G tcv`ttz vkvµv` i Rb` tevaMg` AvKlYxq Avb``vqK I gvbm=qZ cv`cyK iPvri tvtí tj LtKi Rb` vkvµvbt` Rbvi mpcvii k Kiv nj :

1. tj LKtk Aek`B i iaz Z` I thvMthvM chv³ vkvµvµg `vj wU vfvte cvV Kti Gi Dtk`, , iazjI gg`Abvab Kitz nte| vetkl Kti vkvµvµg emvZ vkvµbdj , vel qe`j vkvµbd tkLvtr tkSkj , D`vniY, gj`vqb BZ`w` tgsj vel q,tjv vfvte AvqE Kti vbtet|
2. tj LKtk Aek`B cv`cyK iPvri mgq vkvµv` i gvbmK eqm, vkvµv` li I cv`vbi mthvM mjev vetePbvq ivLtz nte|
3. ZmEjK I nvtZ Kj tg tkLvi vel q,tjv Ggbfvte ev`e D`vniY, vT, Qve, PvU`BZ`w` mgstq mnRfvvq Dc`vcb Kitz nte hvZ mntR tevaMg` I vkvµv`evUe nq| Kvhpjg,tjv Aek`B vel qm=ú³, A`eyv` úó nI qv evAbxq|
4. cÚZvU cvV Dc`vcbvi mgq cÚ`tqi msÁv w`tq`i iazKivi i xZtk vbiarmvZ Kiv nt`Q| eis cvV iPvri mgq D`vniYmn eYv w`tq Ggbfvte i iazKivi civgk` I qv nt`Q hvZ vkvµv` eYvri ga` w`tq AbmÜvbgj K`vófvz vbtq vel tqi gg`Dcj vā Kitz mFvg nq|
5. e`vRxb I mgvRRxb Z` I thvMthvM chv³ i cvve, `v`Svk Ges Z` I thvMthvM chv³ i hšcvzi vbi v` e`envi BZ`w` vel q,tjv cv`cyK mWkvte Dc`vcbi Rb` tj LK msev`cT, Rvbj, cKvkZ cyK, vbeU, cÚ`te`b, meúv`Kv BZ`w` i mrvh` vbtZ cvtib| Zte G tvtí Kv`Z; AvBb tgb Kitz nte|
6. vel qe`j Dc`vcbvq mZZv, `bvZKZv, t`ktc, agvbitcyZv, cigZ minòZv, mste`bkj Zv BZ`w` mvgvRK I `bvZK , Yevij i vkvK Ges Avgv`i tMSi tev`j BvZvm, HvZn` I ms`vzi cÚZ Aek`B , iazj w`tz nte|
7. Z` I thvMthvM chv³ vel tqi tj LKtk Aek`B ve`vj q emvZ Z` I thvMthvM chv³ msvkó mthvM-mjev thgb- KvúDUvi Kve, j`ve, tgjv, `j AvZw` e³vtK tkY Ktj AvvYb, AvBvnuU msvkó vkvµv, MtelYv vKsev e`emv cÚZv v ágY BZ`w` e`enviK Drmv cÜvb Kiteb|
8. Zt`i tidv`im t`l qvi cPvj Z i xZ Aek`B AbvniY Kitz nte|
9. tj LK cÚZvU cvV iPvri i iaz et` vkvµbdj vj`l i iazKiteb Ges GKB vkvµbdj i GKvK cvV ntZ cvti| tLqv ivLtz nte cÚZvU cvV tktl vbi vkvµbdj wU thb AvRZ nq|
10. cÚZvU cvV cvkvvkv` vUv cPvq Pj vZ fvlvq GvrmUveði evbvimZ AbvniY Kti iPvri Kitz nte| tUKvK`vj ká I cvii fvlvi tvtí BstivR e`envi Kitz cviteb| Gtvtí eisjv e`envi Kitz eÜvxi gta` BstivR e`envi Kitz nte| tKvb cvvvi tvtí Avak Abkxj tbi`i Kivi ntj AvZv` cPv vetePbv Kiv hvq| Zte tm tvtí Gv vkvµv` vbtR Kvú ev`emoi KvRÜ vntmte MY` nte|
11. vkvµvµgi vbt` Rbv Abvqv cÚZvU cvV 50 vgvbtU Dc`vcbvi Dc`thvM Kti cvPvU Aa`vtqi KvvtgvZ veb`i Kitz nte|
12. cvEjv`c : K. dE mvBR 14 ntZ nte| L. jvBb t`úm 1.5 ntZ nte| M. cvEjv`ci mvBR 1/8 vWvm (20"-30")/(22"-32") nte| N. KtjvU Gvi qv (8.5"×5.75")/(9.5"×6.25") ntZ nte|

rik ýnmg

Z_ I thvMvthvM cäw³

beg I `kg tkw

1. **ფიგურა**

Z... I thvMthvM chp³ ev Information and Communication Technology (ICT) Zt...i Av`vb c0vb, msi`yY I e`e`vcbrq GK we`sqKi Awe®vi | eZgvtb Z... I thvMthvM chp³ Qrov e`w³MZ `yZvi DrKI`mvab, `rQ>`gq AvajbK Rxeb I RvZiq DbæZ wPšv Kiv hvq bv | wekji mKj RvZtK cvi `úwi K mnthwMzv I mngwgZvi eÜtb Avex GK Awfbaewi evti i tmvbwj `cæ`wLqtq Z... I thvMthvM chp³ |

Z... I thvMthvM chp³ wekji Ávb I Z...fvEvi e`envi Kti Dbqtb Amxg mævevi 0vi Ltj w`tqtQ | tgavPPPI mRbkxj Zv weKvtki cvkvcwk thvMthvM, A_`bowZK KgRv0, webr`bmn c0Z`wK Rxebi mKj týtT Z... I thvMthvM chp³ e`envi DEtivEi ep`x crt`Q | AvRtKi c`w`extZ gvbmaúbeKgñ`úv`tbi GK kw³kvj x nwiZqvi nt`Q Z... I thvMthvM chp³ | wkyvtýtT Z... I thvMthvM chp³-wbFP wkyvcKiY e`envti i dtj wLb-tkLvtbv Kvhpig ntq DtvTQ AZ`si KvRi, AvKI`Yxq I `ewK | GtZ GKw`tK thgb wLb Kvhpig wkyv`i AskMhY ep`x tctqtQ, tZgub wkytKi figKvq | GtmtQ AfZce`cwi eZ0 | GQrov KgexwZ, k0jevRvi I thvMthvM Mi týtT I GK Afvebxq cwi eZ0 GtbtQ Z... I thvMthvM chp³ | G cwi eZ0bi mvt_ Lvc Lvl qvtZ bZb bZb `yZv AR0 wKsev `yZv beqab Acwivh0 Ab`vq A`i fvel`tZ chp³ e`envi RwbZ `elgti (wVwRUvj wVfvBW) Kvity mvgwRK I A_`bowZK `elg, teKvi Zi, `wi`a BZ`w` mgm`v`tjv Avi I c0KU ntq t`Lv t`te | ZvB GKwesk kZvaxi P`vtj Ä tgvKvtj vq Avgt`i fvel`r cRb0K AvBimU mg`x RbtM0xtZ ifcvštii weKí tbB |

chp³ wbFP evsj vt`k MotZ RvZiq wkyvbwZ 2010 G Z... I thvMthvM chp³ weliutK wkyvi mKj avivq Ašf0i mpcwik Kiv ntqtQ | GwU wbtmt`n GKwU P`vtj wAs KvR | GB P`vtj tAi Ask wntmte c0`wK I gva`wK ch0qi wkyvmtg 0Z... I thvMthvM chp³ 0 weliut Aveik`K weliq wntmte c0Z0bi wmxvšitbl qv ntqtQ | I0 t`tK `kg tk0ytZ G weliut c0Z0bi j`y` nt`Q Z... I thvMthvM chp³ e`envti wkyv`i i AvMh ep`x, `yZvi weKvk Ges D`Puk`y`v j`vtfi wFZ wbg0 | G j`y` AR0b c0vZ wkyvmtg ZmE0K AvtjvPvi Zj biq c0tqwmK w`KwU c0avb` tctqtQ | Avkv Kiv hvq, Gi gva`tg chp³ e`envti `y` I Drcv`bkxj Rbm`ú` `Zwi nte, hv evsj vt`kK `0Z GKwU ga`g Avtqi t`tk cwi YZ KitZ mnvqZv Kite |

2. Dãĩ k

1. Z_ I thvMvthvM chv³ i Amxg m³ebv m³útk³AeMZ nI qv |
2. Z_ I thvMvthvM chv³ e³envi Kti veíkji Ávb I Z_ f³vÉvi e³envi Kiv |
3. Z_ I thvMvthvM chv³ i c³f³ve µgea³vb cwi eZ³bi c³Ź BvZevPK `p³f³w³ AR³ Kiv |
4. Z_ I thvMvthvM chv³ e³envi Kti tgav I mRbkvj Zv veKv³tk mýg nI qv |
5. ^³bw³ b Rxe³bi wevf³bomgv³ m³gvav³tb Z_ I thvMvthvM chv³ e³envi `ý nI qv |
6. DcKiY I e³envi Kivxi w³b³vcÉv eRvq ti³Ł Z_ I thvMvthvM chv³ e³envi mýg nI qv |
7. Z_ I thvMvthvM chv³ e³envi i t³ý³Ź³ b³v³ŁKZv eRvq i vLv |
8. K³tg³ndj Zv Ges Rxe³bv³Źvi gv³b Db³q³tb Z_ I thvMvthvM chv³ i f³v³gKv m³útk³Ae³inZ nI qv |
9. Z_ I thvMvthvM chv³ i DcKiY e³envi cvi ³ú³wi K m³n³thv³MZvi g³Ź³bv³ve I tbZ³Ź³ji ³v³vevj AR³ b mýg nI qv |
10. Z_ I thvMvthvM chv³ e³envi i g³v³Ź³g Rxe³b³vcx w³ky³v jvf Kivi `p³f³w³ AR³ Kiv |

3. Aa`vq web`vm

Aa`vq	beg-` kg tkW
c0_g Aa`vq	Z_ I thvMvthvM chv ³ Ges Avgv` i evsj v` k
w0Zxq Aa`vq	KwúDUv`i i wbi v cÉv I e`envi Kvi xi mZKZv
ZZxq Aa`vq	Avgvi wky`vq BvUv`tbU
PZL [©] Aa`vq	Avgvi tj Lv`j wL I wnmve
cÁg Aa`vq	gvé`vqWqv I Múcl-
Ió Aa`vq	W`vUv`teR I Gi e`envi

4. wcv`i qW eÉb

wky`vmtg Z_ I thvMvthvM chv³ wvltqi c0ZiU Kv`mi Rb` 50 vgvbU mgq eiv` i vLvi mpcwi k Kiv n`qtqQ | mBv`tn `fUv Kwv AbyôZ nte | nvtZ`NKj tg Z_ I thvMvthvM chv³ i `yZv Dbq`bi Rb` A_ev , i zcY`v wvltq cv` v`bi Rb` wky`K GKwaK wcv`i qW GKmvt_ tbi qvi e`e`v Ki`Z cv`i b |

Aa`vq wv`EK eiv`i KZ mgq:

Aa`vq	wcv`i qW
c0_g Aa`vq : Z_ I thvMvthvM chv ³ Ges Avgv` i evsj v` k	10
w0Zxq Aa`vq : KwúDUv`i i wbi v cÉv I e`envi Kvi xi mZKZv	20
ZZxq Aa`vq : Avgvi wky`vq BvUv`tbU	20
PZy [©] Aa`vq : Avgvi tj Lv`j wL I wnmve	30
cÁg Aa`vq : gvé`vqWqv I Múcl-	35
Ió Aa`vq : W`vUv`teR I Gi e`envi	25
tgvU	140

7. ɤkʏvμg QK

beg-`kg tkāW

cŭg Aa`vq : Z_ I thvMthvM chj³ I Avgv` i evsj v` k (10 ucvi qW)

wklbdj	welqe`	wklb-iklvbv kvhfig	wetkl gj`vqb tkSkj
<p>ep`eFwq</p> <ol style="list-style-type: none"> 1. Z_ I thvMthvM chj³ i azj e`vL`v KitZ cvi te 2. Z_ I thvMthvM chj³ msukw e`w³etMP Ae`vb eYbv KitZ cvi te 3. evsj v` tk B-j wbs`tqi i azj e`vL`v KitZ cvi te 4. evsj v` tk B-Mftb`Yi cŭqvRbxqZv e`vL`v KitZ cvi te 5. evsj v` tk B-mwrfm i azj e`vL`v KitZ cvi te 6. evsj v` tk B-Kgvm⁹ i azj eYbv KitZ cvi te 7. evsj v` tk Kg`ytI Z_ I thvMthvM chj³ i m`tebv wetkl Y KitZ cvi te 8. mvgwRK thvMthvM Z_ I thvMthvM chj³ i fvgKv e`vL`v KitZ cvi te 9. wetbv` tbi tytI AvBimUj BuzevPK w`K, tjv e`vL`v KitZ cvi te 10. Z_ I thvMthvM chj³ wbfP fvel`r evsj v` tki `tfc e`vL`v KitZ cvi te 	<ul style="list-style-type: none"> • GKk kZK Ges Z_ I thvMthvM chj³ • Z_ I thvMthvM chj³ weKvtk D`j L`thvM` e`w³Zi <ul style="list-style-type: none"> o gvKb I RM`xk P>`emy o Pj m e`vteR o A`vWv evqi b o ti m`vgtqj Ugwj b o m`vi wJtgw_ Rb evb`m wj o ÷xf Rem& o wej tMUm o gvK`Rkvi evM⁹ • B-j wbs` I evsj v` k • B-Mftb`Y I evsj v` k • B-mwrfm I evsj v` k • B-Kgvm⁹ I evsj v` k • evsj v` tki Kg`ytI AvBimUj • mvgwRK thvMthvM I AvBimUj <ul style="list-style-type: none"> o tdmeK o UBjvi • wetbv` b I AvBimUj • wWRUvj evsj v` k 	<ul style="list-style-type: none"> • `b w` b Rxe`b wky`v` fiv thme AvBimUj hšcwZ e`envi Kti tm, wj i Zwj Kv`Zwi Kti Kx KtR e`envi Kti Zv eYbv (`j MZ/GKK) • B`Uvi tBU/gw`ngwWqv/tcv÷vi e`envi Kti AvBimUj msukw e`w³etMP Ae`vb eYbv Ges G wetq wky`v` fiv i emoi KvR cŭvb • `j MZfvte AvBimUj msukw e`w³etMP Ae`vb wbtq t` qj cwI Kv`Zwi • B`Uvi tBU/gw`ngwWqv/tcv÷vi e`envi Kti evsj v` tk B-j wbs`/B-Mftb`Y/B-mwrfm/B-Kgvm⁹-Gi i azj e`vL`v • B-j wbs`/B-Mftb`Y/B-mwrfm/B-Kgvm⁹ e`envi AwfÁ e`w³eMfK AwZw_ e³v wnmvte tkŭYKtj`y Awneb • B-j wbs`/B-Mftb`Y/B-mwrfm/B-Kgvm⁹ e`eüZ nq Ggb cŭZŏrtb ev tgj vq wky`vmdi • AvBimUj wfvEK mvgwRK thvMthvM/wetbv` b wetq weZK⁹ cŭZthvMZvi AvtqrB D`vni Y: ŐAvBimUj-B eZg`rtb wetbv` tbi/mvgwRK thvMthvM i GKgvI gva`gŭ • AvBimUj gva`tg wetbv` tbi e`w³MZ (wky`v` fiv i) AwfÁZv wvbgq BuzevPK/tbuzevPK w`K, wj i gw`ngwWqv Dc`vcbv • AvBimUj wbfP `tfc evsj v` k wetq `j MZ/gw`ngwWqv Dc`vcbv 	<ul style="list-style-type: none"> • tgwLK Afxyv • emoi KvRi gj`vqb • wetqe` I b w`wbKZvi wfvE`Z t` qj cwI Kv i gj`vqb • AwZw_ e³vi e³te`i/wky`vmdi i AwfÁZvi Avtj vtK wj wLZ cŭZte`b gj`vqb • weZtK⁹Dc`wcz hj³ I Dc`vcbv gj`vqb • mRbkj cŭkafkŭ Afxyv

cŏg Aa`vq : Z_ I thwMthwM cŏy³ I Avgv` i evsj v` k (10 wcvii qW)

Pj gvb-2

wLbdj	wel qe`	wLb-tkLufbv Kvŏg	wetkl gj`vqb tKSkj
<p>gibv`cukR 11. ŐZ_ I thwMthwM cŏy³ wbfP evsj v` kŏ wel qK GKwU tcv÷vi wWRvBb Ki tZ cvi te </p> <p>Avtelhxq 12. evsj v` tki Dbŏtb Ae`vnZfvte Z_ I thwMthwM cŏy³ e`envti Dŏx nte </p> <p>13. tcv÷vi wWRvBb kxI R ` j MZ KvR ci `ui tK mnthwMZv Ki tZ AvMŏx nte </p>		<ul style="list-style-type: none"> • AvBwmiU wbfP fvel`r evsj v` tki `tjc wel qK tcv÷vi wWRvBb cŏZthwMZvi AvtqvRb Ges tkŏYKtj tm,tj v cŏ kŏbi e`e`v 	<ul style="list-style-type: none"> • tcv÷vti i wel qe` I wWRvBtbi Avtj v`K gj`vqb

ՎՅՈՒՄ Առնչվող Կարգավիճակները և Ենթակցող Կրթությունը (20 անկում)

Սյուժե-2

Կրթական	Վերջին	Կրթական Կրթություն	Վերջին Գլխավոր Կրթություն
<p>10. Կարգավիճակի Մեջ կյանքի Գնահատման Կրթությունը</p> <p>Գլխավոր</p> <p>11. h_vh_ խնդիր Այս Կրթության Մասին Software install/uninstall Կրթությունը</p> <p>12. Unique Մեթոդներով Կրթությունը</p> <p>13. Կարգավիճակի մասին մեթոդներ Մեջ կյանքի Կրթությունը</p> <p>Արժեքներ</p> <p>14. Z_ Ի տեղեկությունները Ենթակցող Կրթությունը</p> <p>15. Կրթությունը Մեջ Սյուժե Կրթությունը</p> <p>16. Կրթությունը Ենթակցող Z_ Առարկաներ և Կրթությունը Կրթությունը</p> <p>17. Կրթությունը Ենթակցող Սյուժե Կրթությունը Ենթակցող Կրթությունը</p>	<ul style="list-style-type: none"> • մասին Մեջ կյանքի 	<ul style="list-style-type: none"> • Կարգավիճակի Ենթակցող մասին մեթոդներով Կրթությունը 	<ul style="list-style-type: none"> • Կրթությունը Առարկաներ • Ենթակցող Կրթությունը

ZZ.1q Aa`vq : Avgvi wk`yvq B`Uvi`tbU (20 vcv`iqW)

wkLbdj	vel qe`	wkLb-`tkLv`bv Kvhp`g	velkl gj`vqb `tKSkj
<p>ep`e`E`iq</p> <p>1. wWvRUvj Kb`tu`Ui avi Yv e`vL`v Ki`tZ cvi`te </p> <p>2. wk`yvi ty`f`T B`Uvi`tb`Ui , iaZj e`vL`v Ki`tZ cvi`te </p> <p>3. cv`wel`tq B`Uvi`tbU e`envi`i ty`f`T vPhy`Z Ki`tZ cvi`te </p> <p>4. K`wi`qvi Dbq`tb AvBv`mU`i , iaZj e`vL`v Ki`tZ cvi`te </p>	<ul style="list-style-type: none"> • wWvRUvj Kb`tu`U o B-e`K • wk`yvq B`Uvi`tbU • B`Uvi`tbU I Avgvi cv`wel`q , t`j`v • Avgvi f`vel`r K`wi`qvi I AvBv`mU`J 	<ul style="list-style-type: none"> • cv`weB t`_t`K t`b`l`q`v vel`q`e`f`i Dci c`f`Z`K`Z wWvRUvj Kb`tu`U g`w`e`v`g`w`v`q`v Dc`v`c`b • B`Uvi`tbU e`envi`i K`ti Ab`v`b` cv`weB`t`q`i vel`q`e`f`i Aej`e`f`b c`f`Z`te`b c`f`Z` Kiv • `j`M`Z` KivR: Brainstorming K`ti AvBv`mU`J Kiv`f`v`te wk`y`v`_`f`i K`wi`q`v`i` m`n`v`q`Z`v` Ki`t`Z` cv`f`i` f`m` vel`t`q` G`K`u`J Z`w`j` Kiv/c`f`Z`te`b` `Z`wi` Kiv 	<ul style="list-style-type: none"> • tg`S`m`L`K`/`w`j` w`L`Z` Af`i`y`v` • c`f`Z`te`b` gj`v`qb` • c`f`Z`te`b` gj`v`qb`
<p>g`f`b`v`c`u`k`R</p> <p>5. B`Uvi`tbU e`envi`i K`ti cv`V`m`S`u`k`w` vel`t`q`i G`K`u`J c`f`Z`te`b` Dc`v`c`b` Ki`t`Z` cvi`te </p>			
<p>Av`te`M`ix`q`</p> <p>6. B`Uvi`tbU e`envi`i K`ti cv`wel`q` m`S`u`k`w` c`f`q`v`R`b`x`q` wk`y`v`g`j` K`Z`_` R`v`b`t`Z` Av`M`b`x`n`te </p> <p>7. B`Uvi`tbU e`envi`i ci`u`i`t`K` m`n`t`h`w`M`Z`v` Ki`t`Z` D`b`k`n`te </p> <p>8. `j`M`Z` Dc`v`c`b`v`q` t`b`Z`Z`j` c`f`v`t`b` Av`M`b`x`n`te </p> <p>9. K`wi`qvi M`V`t`b` AvBv`mU`J e`envi`i m`u`t`K`©` D`r`m`v`x`n`te </p>			

PZL Aa'vq : Avgvi tj LvTj vL I vnmve (30 vcvu qW)

vklbdj	veiqe''	vklb-tklvfbv kvhfig	vetkl gj'vqb tkSkj																																								
<p>epkeEiq</p> <ol style="list-style-type: none"> I qW©c0mmti i azcy©enkó e'vL'v Kitz cvi te I qW©c0mmi e'envtiii tkSkj eY0v Kitz cvi te t'úWwktUi i azcy©enkó e'vL'v Kitz cvi te t'úWwktUi e'envtiii tyt'uj vPvryZ Kitz cvi te t'úWwktUi e'envtiii tkSkj eY0v Kitz cvi te <p>gtbtvcikR</p> <ol style="list-style-type: none"> I qW©c0mmi e'envi Kti m'úv'bv Kitz cvi te t'úWwktU e'envi Kti vnmve vbKvk Kitz cvi te <p>AvteMiq</p> <ol style="list-style-type: none"> tj LvTj vL I MwyvZK KvR I qW©c0mmi I t'úWwktU e'envtiii AvM0x nte tj LvTj vLi KvR bv' vbKfite Dc'vcfb m'úv'bv i azjDcj wä Kite t'úWwktU e'envi Kti MwyvZK mgm'v mgyavb I vnmve vbKviki KvR Kitz D0x nte j MZ Dc'vcbvq tbZZ; c0 vtb AvM0x nte 	<ul style="list-style-type: none"> I qW©c0mmti Avgvi tj Lvi KvR <ul style="list-style-type: none"> I qW©c0mmti i vKQz i azcy©enkó I qW©c0mmi e'envtiii tkSkj t'úWwmU I Avgvi vnmve vbKvk <ul style="list-style-type: none"> t'úWwktUi i azcy©enkó mgn t'úWwktUi e'envtiii tyt' t'úWwktU e'envtiii tkSkj 	<p>^j xq KvR :</p> <ul style="list-style-type: none"> I qW©c0mms/t'úWwktUi ^enkó'i Zwvj Kv Dc'vcb cv'cy' tkKi wvfbvAstki tj LvTj vL/MwyvZK KvR/PvU©c0'Z KiY cv'cy' tkKi msukó Ask Avtj vPvbi ci I qW©c0mms Gi tkSkj c0 k0 <p>Bv/z : di t'gUls, Qwe msthvM, tgBj gvR,tUvej , eivbv mstkvab </p> <ul style="list-style-type: none"> cv'cy' tkKi msukó Ask Avtj vPvbi ci t'úWwmU mdUl q'vti i mrvvth' vnmvevbKviki KvR m'úv' tbi tkSkj c0 k0 thgb, <table border="1"> <thead> <tr> <th>ti vj</th> <th>big</th> <th>ersj v</th> <th>vRic</th> <th>Bsti vR</th> <th>vRic</th> <th>t'gU</th> <th>vRicG</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	ti vj	big	ersj v	vRic	Bsti vR	vRic	t'gU	vRicG																																	<ul style="list-style-type: none"> Dc'vncZ Zwvj Kv h_v'Zv hvPvB m'úv' Z KvR ch'eyY m'úv' Z KvR ch'eyY m'úv' Z KvR ch'eyY
ti vj	big	ersj v	vRic	Bsti vR	vRic	t'gU	vRicG																																				

cĀg Aa`vq : gwiĕngw/qv I MĀnd-

(35 vci ni qll)

vklbdj	vel qe`	mpevni kKZ vclb tkLvfbv kvhpag	gj`vqb tkSkj
<p>ep`eEiq 1. gwiĕngw/qvi avi Yv e`vL`v KiġZ cviġe 2. gwiĕngw/qvi gra`gmga eYĖv KiġZ cviġe 3. gwiĕngw/qvi e`envi i tyġmga vPvY Z KiġZ cviġe 4. tcĀRġUkb mdUl q`vi i avi Yv e`vL`v KiġZ cviġe 5. tcĀRġUkb mdUl q`vi e`envi i , i azġ vektġY KiġZ cviġe 6. tcĀRġUkb mdUl q`vi e`envi i tkSkj eYĖv KiġZ cviġe 7. MĀnd- Gi avi Yv e`vL`v KiġZ cviġe 8. MĀnd- mdUl q`vi e`envi i tkSkj eYĖv KiġZ cviġe gġbvġvkR 9. tcĀRġUkb mdUl q`vi e`envi Kġi vel q msvkġ Slide `Zvi I Dc`vcb KiġZ cviġe 10. MĀnd- mdUl q`vi e`envi Kġi mRbkj vPġ A`v I Dc`vcb KiġZ cviġe AvġeMvq 11. Dc`vcbvi tyġġ tcĀRġUkb mdUl q`vi I MĀnd- mdUl q`vi e`envi AvMvq nġe 12. `j MZ Dc`vcbvq tbZZġ; cġvġb AvMvq nġe </p>	<ul style="list-style-type: none"> • gwiĕngw/qvi avi Yv • gwiĕngw/qvi gra`gmga • Z` I thvMġhvM chġp`ġZ gwiĕngw/qvi e`envi <ul style="list-style-type: none"> o vky`vi DcKiY vnmvġe o vektv` b o veÁvcb o tMgm o G`vbtgkb • tcĀRġUkb mdUl q`vi <ul style="list-style-type: none"> o , i azġ o `vBW `Zvi I Dc`vcb • MĀnd- Gi avi Yv • MĀnd- mdUl q`vi e`envi tkSkj 	<ul style="list-style-type: none"> • cġ_vgK avi Yv cġvġbi ci vky`v_ġv MĀnd- /gwiĕngw/qv chġġ/ cV`cġġKi vbaġi Z AskUkZ cvV Ges mvi gg`Dc`vcb • MĀnd- /gwiĕngw/qv mdUl q`vi PjyI e`envi Kivi c`vZ cġ kġ • gwiĕngw/qv Dc`vcb • cĀRġ: • GKKfġe MĀnd- vWRvBb/gwiĕngw/qv Dc`vcb (Multimedia Presentation) `Zvi Kivi c`vZ cġ kġ • MĀnd- /gwiĕngw/qv Krfġe vky`v_ġv K`vni qvi/vky`vq mrvqZv KiġZ cviġi tm vel tq cġZte`b/tKm ÷ vW • 0`ġcġe eivġġ kġ ev 0`tkgb ve`vj q Pvbġ kvġR MĀnd- vWRvBb/gwiĕngw/qv Dc`vcbthvM` KbġUv `Zvi Kiv 	<ul style="list-style-type: none"> • tgšvLK/vj vLZ Afġv`v • chġeġġYi gra`tg `ġZv hvPvB • tgšvLK/vj vLZ Afġv`v • cġZte`b gj`vqb • AvmZ cġvqvi h_v_ġv I bġ`vbKZv hvPvB • vel qe`v vektġġYi gra`tg `ġZv hvPvB • AvmZ cġvqvi h_v_ġv I bġ`vbKZv hvPvB

I ó Aa`vq : tWUvteR Gi e`envi (25 vci qW)

vKLbdj	vel qe`	vKLb-tkLvfbv Kvhpqg	vetkl gj`vqb tKSkj
<p>ey`ey`Eq</p> <ol style="list-style-type: none"> 1. tWUvteR Gi aviYv vetklY KiZ cvite 2. tWUvteR gv`vbrtqU vmt`÷g (DBMS) e`envi i tKSkj ,tj v eYv KiZ cvite 3. tWUvteR gv`vbrtqU vmt`÷g Gi ,iaz;e`vL`v KiZ cvite <p>gtbv`cukR</p> <ol style="list-style-type: none"> 4. mdUI q`vi e`envi Kti GKwU tWUvteR `Zwi KiZ cvite <p>AvteMxq</p> <ol style="list-style-type: none"> 5. Zt`i msiyY I e`envi tWUvteR e`envi i ,iaz;c0vfb AvMhx nte 6. tWUvteR `Zwi Kivi tyt`I ci`ui ci`uiK mthwMZv KiZ AvMhx nte 	<ul style="list-style-type: none"> • tWUvteR I tWUvteR gv`vbrtqU vmt`÷g (DBMS) Gi aviYv <ul style="list-style-type: none"> o cwi vPvZ o cKvif` o e`envi • tUvej , wdi , ti KW`dg`Ktqwi , wivcvU` • tUvej `Zwi I WvUv GwU` • ve`gvb tUvej bZb ti KW`c`ek Kivfbv, ti KW`gtQ tdjv, bZb wdi thvM Kiv, Ktqwi Kiv, wivcvU`Zwi Kiv 	<ul style="list-style-type: none"> • PvU`teW`ei gwe`ngwvqiq Dc`vcb • `j MZ KvR: GKwU tWUvteRi tUvej , dg`Zwi Ges tWUvteR gv`vbrtqU vmt`÷g e`envi Kti Ktqwi Ges wivcvU`Zwi 0 	<ul style="list-style-type: none"> • wj vLZ/ tgSmLK Afryv • m`uvw`Z KvR chfeyY

1. tj LK wbt` Rbv

evsj vt`tk Z` I thvMthvM chv³ welqW beg I `kg tkWYi wkQlvutg cUg msthvRb| Avgvt` i t`tk cvWcy`K nt`Q wkyvutgi j`y` I Df`k` ev`evqtb i cAvb gra`g| wkQlv` i Rb` tevaMg`, AvKI`vq, Avb`v`vqK, gvbm`Z Ges wkyvutgi j`y` I Df`k` AR`b myg cvWcy`K i Pbv i t`t`I tj LKtK mZK`vKtZ nte| G Rb` Z` I thvMthvM chv³ wltqi tj LtKi mjeavt`wKQzwb` Rbvi mjcwik Kiv nj :

1. tj LKtK Aek`B i iaZ Z` I thvMthvM chv³ wkQlvutg fvtj vfvte cvW Kti Gi Df`k`, , iaZi| gg`Abaveb KitZ nte| wtkl Kti wkQlvutg ewYZ wkLbdj , welqe`j wkLb-tkLv`v wbt` Rbv, D`vniY, gj`vqb wbt` Rbv BZ`w` tgsj welq,tj v fvtj vfvte AvqE` Kti wteb|
2. tj LKtK Aek`B cvWcy`K i Pbv mgq wkQlv` i gvbmK eqm, wkQlv` I cvW`vbi mthvM mjeav wetePbvq ivLtZ nte|
3. ZwE`K I nvtZ Kj tg tkLvi welq,tj v Ggbfvte ev`e D`vniY, wP`, One, PvU`BZ`w` mgstq mnRfvlvq Dc`vcb KitZ nte hvZ mntR tevaMg` I wkQlv`evUe nq| Kvht`g,tj v Aek`B welqm`u³, A`eY` uo nl qv ev`Abxq|
4. cUzW cvW Dc`vcbvi mgq cU`tqi msAv` w`tg i iaKivi i wZtK wbiarmvNz Kiv nt`Q| eis cvW i Pbv mgq Mf` ev D`vniYmn eY`v` w`tg Ggbfvte i iaKivi cingk` I qv nt`Q hvZ wkQlv`eY`vi ga` w`tg AbymUvbgj K` wofw` wbtq wltqi gg`Dcj wa` KitZ m`lg nq|
5. e`w`Rxeb I mgvRRxetb Z` I thvMthvM chv³ i cFve Ges Z` I thvMthvM chv³ msuk` hscwzi wbi`v` e`envi BZ`w` welq,tj v cvWcy`K mWkvfvte Dc`vcbvi Rb` tj LK mser`cI, Rvb`j , cKwKZ cy`K, wbeU, cUz`e`b, m`u`v` Kxq BZ`w` i mrvh` wbtZ cvt`b| Zte G t`t`I Kuc`Zi AvBb t`tb KitZ nte|
6. welqe`j Dc`vcbvq mZZv, `bwZKZv, t`ktc`g, ag`bitcy`Zv, cigZ m`v`v`Zv, mste`bkxj Zv BZ`w` mvgvRK I `bwZK , Yvevj i weKvk Ges Avgvt` i t`Msi`ter`4j BwZnm, Hwzn` I ms`wzi cUz` Aek`B , iaZi` tZ nte|
7. we`vj q ewnf`Z Z` I thvMthvM chv³ msuk` mthvM-mjeav thgb, Kw`uDvvi Kve, j`ve, tgjv, `y` AwZw` e`v`K tkWYKt` AvnYb, AvBvnuJ msuk` wkQlv, MtelYv wksev e`envi cUz`v`v agY BZ`w` e`envi`K Drm`v`v cUv`b Kit`eb|
8. Zt`i ti dvt`m t` I qvi c`v`j Z i wZ Aek`B AbmiY KitZ nte|
9. tj LK cUzW Aa`vq i Pbv i iaZ wkLbdj wj`tL` i iaKiteb| tLqvj ivLtZ nte cUzW Aa`vq tktl wbu` wkLbdj wj` thb AvRZ` nq|
10. wkQlvutgi wbt` Rbv Abjvqx cUzW cvW 50 wgvutU Dc`vcbvi Dc`thvMx Kti Aa`vtqi Kivt`gtZ web`I KitZ nte|
11. ZwE`K cvW mvariYZ cvkvcwK `vUv c`v`q Pj wZ fvlvq evsj v GKv`Wgxi evbvixwz AbmiY Kti i Pbv KitZ nte| tUKubK`vj ka` I cvv fvlvi t`t`I Bsti`R e`envi KitZ cvt`eb| Gt`y`t` evsj v e`envi Kitj eU`bxi gta` Bsti`R e`envi KitZ nte| tKvb cvt`vi t`t`I Awak Abjxj tbi` i Kvi ntj AwZw`³ c`v` wetePbv Kiv hvq| Zte tm t`t`I GUV wkQlv` wbt`R Kw`i ev`e`v`v`i KivR` vnt`mte MY` nte| cU`qwmK cvt`vi t`y`t` 2, 4 ev 6 c`v`q At`bK` wj` cvW ASf` nZ cvt`i | dg`wetePbvq wbtq tRvo msL`K c`v`q cvW,tj v web`I Kivi Abjiva Kiv nt`Q|
12. cvE`j`c : K. dE` mvBR 12 t`Z nte| L. jvBb t`um 1.5 t`Z nte| M. cvE`j`ci mvBR 1/8 wWm (20"-30")/(22"-32") nte| N. Kt`Uv Gvi qv (8.5"x5.75")/(9.5"x6.25") t`Z nte|

ԿԵՆՏՐՈՆ

ԿԳՓ ԲՆԵԳՆԱԿՅՆ

ԼՕ-ԱՕԳ ԴԿՄ

1. fvgkv

weÁvb l chv³i µgvMZ Dbqþbi dtj wkv_ñv cÖZwbqZB GKwU cwieZþkj weþki m³xb n³Q| cw_extZ weifbæKvþRi aib thgb µgk e`tj hv³Q tZgvb H KvþRi cÖZ gvþþli `wófwb/ cwi ewZ³ n³Q| wkvyl GB cwieZþbi mvþ_ mvgÄm³ tiþL e`jv³Q| wKš³ t`Lv hv³Q, wkv_y³cÖZömbK wkv_yj vtþfi mvþ_ mvþ_ weifbæKwqK kôþbf³ tckv ev KvþRi cÖZ AvMþx n³Q bv, GgbwK ty³ weþkþl vbþRi cÖZ³wnK KvR_ tj v KiþZI Abxrv cKvk KiþQ| Gfite wkv_yZ cRb³KwqK KvR msukó tckvi cÖZ tbwZevPK gþbvfi vbtq teto DVþQ|

G Ae`v DEiþY Ökv_yvbwZ 2010³ GKwU w Kvþ³Rbv cÖvb Kþi hvi dj kÖZþZ ÖKg³ Rxebgt_x wkv_y³ wcl qwU l öNÁóg tköY chš³ Avenk³K wcl q wmwte wkv_yµg KvvtgvþZ Ašif³ n³qþQ| wcl qwU GKwU Dþi³k³ n³þj v Gi gva`tg wkv_y³x³K weifbæKvR l KvþR vbtqmwRZ e³w³i cÖZ kÖvkvj Kiv| cvkvvck AvZgh³ v l AvZ³wekþmi mvþ_ cÖZ³wnK Rxeþbi weifbæ KvR AvMþ vbtq Kivi Af`vm Mþo tZvj v| Gi AvþiKwU w K n³þj v, AvMþ, thvM³Zv l `ýZv Abhvqx wkv_y³ cieZ³ tii wcl q wbeþb Ges fvel³Z m³te³ Kgþy³ wþryZKiþY wkv_y³ i ev`e w Kvþ³Rbv cÖvb| G wcl qwU wkv_y³ l fvel³Z Kgþy³ tii gþa³ tmZeÜb iPbv Ges wkv_y³ i Rxebe`vkv wkv_yvq m³ú³ Kite|

Avkv Kiv hvq fvel³Z wkv_y³ l tckwMZ Rxeþbi P³vþj Ä tgvKvtej vq mwthwMZvgj K gþbvfi v m³ú³þbZ³; cÖvþb mýg l AvZ³wekþmx GKwU bZb cRb³ MVþb be-cÖwZ³ G wcl qwU i aZcy³ Ae`vb ivLte|

2. Dfík

1. mß cÖZfvi weKvk I my`i fweI`Z weibg@b mRbkj , Kí brcêY, AbymÜrmvGes chfeyY`ýZv mæúbæntq Riebevxcx wkývq AvMöx nI qv|
2. cÖZ`inK Rieþbi mKj KvþRi cÖZ k&vkvj ntq KvR Kivi Af`im Mto tZvj v Ges weifbæKvþR wbtqvmRZ e`w³i cÖZ k&vkvj nI qv|
3. KvvqK k& I tgavk&gj K KvþRi cÖZ AvMöx gþvfvie I Af`im `Zwi Kti e`w³MZ, cwi ewi K I mvgnRK wevea KvR mæúv`tb myg nI qv|
4. AvZghP v I AvZwekþmi mvt_ KvR KiþZ myg nI qv|
5. AvMö, thM`Zv I `ýZvi wfvÉtZ wkýv I KgþýT kbv³ Kiv Ges AvZþKgmis`vþbi cÖZ BwZevPK gþvfvie tcvIY Kiv|
6. wkýv Ges KgþýT `bwZK I `wqZkvj AvPiþY D0k nI qv|
7. KvR mæúv`tb tbZtZj , Yvej AR0 I mnþhwMZvgj K AvPiþY D0k nI qv|

3. cÖšK wkLbdj

cÖ`vkv Kiv hvq, Aóg tkw tkþI wkþv_@v Ñ

1. wkýv I KgþýT AvZghP v, AvZwekþm, mRbkj Zv I k&gi ghP vi cÖqvRbxqZv wekIY KiþZ cviþe Ges k&gi ghP v cÖvþb AvMöx nte|
2. cÖZ`inK Rieþb cÖqvRbxq weifbæKvþRi týtmgþni , iazjgv vqþ Kti wbtRi, cwi evþi I mgvþRi weifbæKvR AvMöni mvt_ mæúv`b Kiþe|
3. cieZPwkýv `þi i weifbækvLv I weiqmgþni , iazj e`vL`v Ges Kgms`vþbi mvt_ Gme weIþqi mæúK@PwvZ KiþZ cviþe|
4. `bwZK I `wqZkvj AvPiþY D0k nte|
5. KvþRi týtþI tbZZ;cÖvþbi , Yvej AR0 Kiþe|
6. wkýv I KgþýT mnþhwMZvgj K AvPiY Kiþe|
7. AbymÜrmv I chfeyY`ýZv e`envi Kti Riebevxcx wkývq AvMöx nte|

4. **cŃŠK ųkLbdtj i tkŃųfvĚK ųefvRb**

6Ń	7g	8g	cŃŠK ųkLb dj
<p>epkeĚĳq</p> <ol style="list-style-type: none"> AvZĳghP v, AvZĳekĳm, mRbkxj Zv I kŃgi (KwqK I tgav) ghP v eYŃv KiųZ cviųe KvųRi tųųųĲ AvZĳghP v, AvZĳekĳm I mRbkxj Zvi ųiųjevLųv KiųZ cviųe <p>AvųeMųq</p> <ol style="list-style-type: none"> AvZĳghP vkxj , AvZĳekĳmx I mRbkxj nųZ AvMŃx nųe KvųRi ųųųĲ tbZZ;cŃvųb DŃx nųe Aųbųi gZvgZ ųbųZ AvMŃx nųe 	<p>epkeĚĳq</p> <ol style="list-style-type: none"> kŃgi ghP vi ųiųjevLųv KiųZ cviųe KvųRi tųųųĲ AvZĳghP v, AvZĳekĳm I mRbkxj Zvi ųiųjevLųv KiųZ cviųe <p>AvųeMųq</p> <ol style="list-style-type: none"> KvųRi ųųųĲ AvZĳghP vkxj , AvZĳekĳmx I mRbkxj nųZ AvMŃx nųe kŃgi cŃZ BwZevPK gųbvųe ųZwi nųe tbZZ;cŃvųbi mųų_ mųų_ ųbwZK AvPiųY DŃx nųe Aųbųi gZvgųZi cŃZ kųvkxj nųe 	<p>epkeĚĳq</p> <ol style="list-style-type: none"> gvbeRųeųb kŃgi cųųve eųLųv KiųZ cviųe kwųųv I KgųųųĲ AvZĳghP v, AvZĳekĳm I mRbkxj Zvi ųiųjgųvųb KiųZ cviųe <p>AvųeMųq</p> <ol style="list-style-type: none"> kwųųv I KgųųųĲ AvZĳghP vkxj , AvZĳekĳmx I mRbkxj nųZ AvMŃx nųe kŃgi ghP v cŃvųb AvMŃx nųe tbZZ;cŃvųbi mųų_ mųų_ ųbwZK I ųwqZųxj AvPiųY DŃx nųe Aųbųi gZvgZ ųiųųZi mųų_ ųeųePbv Kiųe 	<p>kwųųv I KgųųųĲ AvZĳghP v, AvZĳekĳm, mRbkxj Zv I kŃgi ghP vi cŃqvRbųZv gųųvųb KiųZ cviųe Ges kŃgi ghP v cŃvųb AvMŃx nųe </p>

6ó	7g	8g	c0sK wkLb dj
<p>eyxexq</p> <ol style="list-style-type: none"> 1. c0Z`wnK Rxeþbi c0qRbxq e`w3MZ KvþRi Zwj Kv`Zwi KiþZ cviþe 2. wþtRi KvR wþtR Kivi mpeav`tjv eYÐv KiþZ cviþe 3. mpyfite wþtRi KvRmgn Kivi Dcvq e`vL`v KiþZ cviþe 4. c0Z`wnK Rxeþbi Avq einfZ c0qRbxq cwi ewi K KvRmgn wPwY Z KiþZ cviþe 5. cwi evþi i Ab`vb`þ`i KvR wPwY Z KiþZ cviþe 6. cwi evþi i evBþi i e`w3þ`i Ðviv m`úw` Z c0Z`wnK Rxeþbi c0qRbxq KvþRi t`qI` t`jv wPwY Z KiþZ cviþe 7. cwi evþi i m`m`þ`i tckvi weeiY w`tq GKwU c0Z`te`b wj LtZ cviþe 8. we`vj tqi Af`šli xY KwqK KvR` t`jv wPwY Z KiþZ cviþe <p>gþvþcwkR</p> <ol style="list-style-type: none"> 9. AvZwekþtmi mvt` c0Z`wnK Rxeþbi c0qRbxq e`w3MZ KvRmgn m`úw` b Kiþe 10. we`vj tqi Af`šli xY KwqK KvRmgn Kiþe <p>Avtelhq</p> <ol style="list-style-type: none"> 11. cwi evþi i m`m`þ`i KvR m`úþK® AbjnuUrmnte 12. wefþbKvþRi c0Z` k0vkxj nþe 13. c0Z`wnK Rxeþb cwi evþi i c0qRbxq KvRmgn KiþZ AvM0h nþe 	<p>eyxexq</p> <ol style="list-style-type: none"> 1. c0Z`wnK Rxeþb wþtRi KvR wþtR Kivi` iazj e`vL`v KiþZ cviþe 2. c0Z`wnK Rxeþb cwi evþi i Rb` c0qRbxq Ab`vb`þ`i KvR e`vL`v KiþZ cviþe 3. cwi evþi i m`m`þ`i tckvq wþtqwmRZ`vKvi` iazj e`vL`v KiþZ cviþe 4. cwi evþi i evBþi i e`w3þ`i Ðviv m`úw` Z c0Z`wnK Rxeþbi KvR` t`jv gj`vqb KiþZ cviþe 5. wefþbKvþR I tckvq wþtqwmRZ` e`w3þK m`yþb c0`kþbi` iazj e`vL`v KiþZ cviþe <p>gþvþcwkR</p> <ol style="list-style-type: none"> 6. cwi evþi i Ab`vb`þ`i KvþR mrvqZv c0`vb Kiþe 7. we`vj tqi Af`šli xY KwqK KvRmgn Kiþe 8. wþR we`vj tqi evBþi Ab` we`vj tqi Af`šli xY KwqK KvRmgn Kiþe 9. c0Z`wnK Rxeþbi c0qRbxq e`w3MZ KvR weI qK GKwU bnuKvq AskM0hY Kiþe <p>Avtelhq</p> <ol style="list-style-type: none"> 10. KvþRi c0Z` BwZevPK gþvþve c0kvk Kiþe 11. wefþbKvþR I tckvq wþtqwmRZ` e`w3i c0Z` k0vkxj nþe 	<p>eyxexq</p> <ol style="list-style-type: none"> 1. c0Z`wnK Rxeþbi c0qRbxq e`w3MZ KvR wþtR Kivi mpeav`tjv weþk0Y KiþZ cviþe 2. c0Z`wnK Rxeþb c0qRbxq cwi evþi i Ab`vb`þ`i KvþRi` iazj weþk0Y KiþZ cviþe 3. cwi evþi i evBþi i e`w3þ`i Ðviv m`úw` Z c0Z`wnK Rxeþb m`c3` bq Ggb KvR` t`jv gj`vqb KiþZ cviþe <p>gþvþcwkR</p> <ol style="list-style-type: none"> 4. cwi evþi i Ab`vb`þ`i KvþR mrvqZv c0`vb Kiþe 5. we`vj tqi Af`šli xY KwqK KvRmgn Kiþe 6. ev`b cwi w`wZþZ KwqK KvR Kiþe <p>Avtelhq</p> <ol style="list-style-type: none"> 7. KvþRi c0Z` BwZevPK gþvþve c0kvk Kiþe 8. wefþbKvþR I tckvq wþtqwmRZ` e`w3þK m`yþb c0`kþb AvM0h nþe 9. c0Z`wnK Rxeþbi c0qRbxq KvRmgn KiþZ AvM0h nþe 	<p>c0Z`wnK Rxeþb c0qRbxq wefþb0e KvþRi t`yI`mgþni` iazj weþk0Y Kiþe Ges AvM0ni mvt` wþtRi, cwi evþi i I mgþRi wefþb0e KvR m`úw` b Kiþe </p>

6ô	7g	8g	côšK wLb dj
<p>eyxēĒiq</p> <p>1. wkŋ vŋ ŋ ŋ mvdj" j vŋfi cŋqvRbxq „Yvej i Zwj Kv KižZ cvi te </p> <p>2. wkŋ vŋ ŋ ŋ mvdj" j vŋfi Dcvqmgŋ e"vL"v KižZ cvi te </p> <p>gŋbvŋcŋkR</p> <p>3. wkŋ vŋ ŋ ŋ mvdj" j vŋfi cŋqvRbxq „Yvej w el qK bwiUKŋq AskMŋY Ki te </p> <p>Avŋellŋq</p> <p>4. wkŋ vŋ cŋqv Ae"vnZ ivLvi cŋZ BwZevPK gŋbvŋve cŋkŋv Ki te </p>	<p>eyxēĒiq</p> <p>1. cieZŋkwŋy"ŋi wewfbokvLv l w el qmgŋni „iaž; Dcj wä Ki te </p> <p>2. Kgŋ ŋ ŋ mvdj" j vŋfi cŋqvRbxq „Yvej i Zwj Kv KižZ cvi te </p> <p>gŋbvŋcŋkR</p> <p>3. wkŋyŋyŋ ŋ mvdj" j vŋfi Dcvq wbtq GKwU tcr=vi wWRvBb Ki te </p> <p>Avŋellŋq</p> <p>4. wkŋyŋyŋ ŋ mvdj" j vŋf AvMŋh nte </p>	<p>eyxēĒiq</p> <p>1. Kgŋ ŋ ŋ mvdj" j vŋfi cŋqvRbxq Dcvqmgŋ e"vL"v KižZ cvi te </p> <p>2. wkŋ v l Kŋgŋ gŋt" m"uK"e"vL"v KižZ cvi te </p> <p>3. Kgŋs"vŋbi mŋt_ cW" w el qmgŋni m"uK"bYŋ KižZ cvi te </p> <p>4. cieZŋ wkŋ v"ŋi kvLv l w el q wbeŋŋb wŋtRi AvMŋh l cŋYZv mbr³ KižZ cvi te </p> <p>5. AvZŋKgŋs"vŋbi cŋqvRbxqZv m"uŋtK"GKwU cŋZte`b wj LžZ cvi te </p> <p>gŋbvŋcŋkR</p> <p>6. w"vj tŋ AvqmRbgj K GKwU Kŋhŋtŋg AskMŋY Ki te </p> <p>Avŋellŋq</p> <p>7. cieZŋkwŋy"ŋi wewfbokvLv l w el qmgŋni „iaž; RvŋtZ AvMŋh nte </p> <p>8. wkŋ v cŋqv Ae"vnZ ivLvi cŋZ BwZevPK gŋbvŋve cŋkŋv Ki te </p>	<p>cieZŋkwŋy"ŋi wewfbokvLv l w el qmgŋni „iaž; e"vL"v Ges Kgŋs"vŋbi mŋt_ Gme w el tŋi m"uK" wŋtŋY KižZ cvi te Ges wkŋ v cŋqv Ae"vnZ ivLvi cŋZ BwZevPK gŋbvŋve cŋkŋv Ki te </p>

5. Aa`vq neb`vm

Aa`vq	tkŌŸ		
	IŌ	mBq	AŌg
cŪg Aa`vq	KtqB Avb>`	KgŌ gvbweKZv	tqav, KwqK kŌg I AvZVAbmÜvb
wŌZxq Aa`vq	Avgrt` i cŪqvrBxq KvR	cwi ewi K KvR I tckv	Avgrt` i KvR: th, tj v Atp`iv Kti
ZZxq Aa`vq	wkývq mvdj`	wkýv cwi Kíbv I KgŸytŸ mdj Zv	Avgrt` i wkýv I KgŌ

6. Aa`vqfwĚK mgq eĚb

wkývμtq ŌKgŌ Rxebgtlx wkývŌ wltq i cŪZwU KvŸmi Rb` 50 wgvbU mgq eiv` ivLvi mcwi k Kiv ntqtQ| mBvtn `ŸUv Kwv AbjŌZ nte| nvtZŸKj tġ `ýZv DbqŸbi Rb` A_ev , iZpYŸwtq cv`vŸbi Rb` wkýK GKwaK wci qW GKmvŸ_ tbi qvi e`ev KitZ cvŸib|

Aa`vq	wci qW					
	IŌ		mBq		AŌg	
	ZwĚK	nvtZ-Kj tġ wkýv	ZwĚK	nvtZ-Kj tġ wkýv	ZwĚK	nvtZ-Kj tġ wkýv
cŪg Aa`vq	15		15		15	
wŌZxq Aa`vq	10	25	10	25	10	15
ZZxq Aa`vq	10	10	10	10	10	20
tgvU	35	35	35	35	35	35

9. Rikų ūgis QK I ô tkv

cŭg Aa`vq : Ktgb Avb`

wLbdj	vel qe`	wLb-ŭkLŭbv ŭb` Rbv	wtkl gj`vqb ŭb` Rbv
<p>ep`eEiq</p> <ol style="list-style-type: none"> AvZghP v, AvZwckjm, mRbkj Zv I kŭgi (KwqK I tgav) ghP v m`utK`eYb KiZ cvite KvRi tŭtŭ AvZghP v, AvZwckjm I mRbkj Zvi tŭtŭ tŭv PwYz KiZ cvite <p>Avtelix</p> <ol style="list-style-type: none"> AvZghP vkj , AvZwckjmx I mRbkj nŭZ AvMŭx nte KvRi tŭtŭ tŭZz; cŭvŭb Dŭx nte Aŭb`i gZvgZ iŭtZ AvMŭx nte 	<ul style="list-style-type: none"> AvZghP v AvZwckjm mRbkj Zv KwqK kŭg <ul style="list-style-type: none"> KwqK kŭgi ghP v tgavkŭg <ul style="list-style-type: none"> tgavkŭgi ghP v 	<ul style="list-style-type: none"> AvZghP v vel qK Mí etj wkyK Kw`i yKiZ cvtib cŭkŭEti i gva`tg vel qŭU m`utK`wkyv_ŭ` i avi Yv hvPvB KiZ cvtib cvW`cy`ŭKi mrvh` ŭb`tg vel qŭU`K Avi I `uó Kiteb wkyv_ŭ` i AvZwckjm vel qK Mí ej vi Rb` AvnYvB KiZ cvtib tŭvU`j MVb Kti G vel tq wkyv_ŭ` i Mí wj tL Dc`rcb KiZ ej tZ cvtib <ul style="list-style-type: none"> Mí tŭj Lvi wewfbachŭq wkyv_ŭ` i mrvh` Kiteb `tŭj i mKj wkyv_ŭ`K mŭŭq AskMŭtY Drmwz Kiteb `j MZ KvRi Dc`rcbvi tŭtŭ chŭqŭtg mKtj i AskMŭY ŭbŭŭZ Kiteb cŭkŭEti i gva`tg mRbkj Zv m`utK`wkyv_ŭ` i avi Yv hvPvB KiZ cvtib tKvŭbv GKŭU Qwe cŭkŭ Kti QweUj mRbkj w`K_ tŭv ŭb`tg wkyv_ŭ` i gZvgZ iŭtZ cvtib vel qe` mŭkŭ Qwe Avtj vŭK ewoi KvR wmvŭe Mí wj LŭZ w`tZ cvtib KwqK kŭg, KwqK kŭgi ghP v, tgavkŭg, tgavkŭgi ghP v vel tq wkyv_ŭ` i gZvgZ iŭtZ cvtib cvW`cy`ŭKi vel qe` Avtj vPbv Kti G vel tq wkyv_ŭ` i avi Yv Avi I `uó Kiteb 	<ul style="list-style-type: none"> tŭŭv Afxyvi gva`tg wkyv_ŭ` i AvRZ Avb I `yZv hvPvB Kiteb wbafŭi Z gvb`ŭEi Avtj vŭK `j MZ KvR gj`vqb Kiteb wbafŭi Z gvb`E Abŭvqx ewoi KvR gj`vqb Kiteb wbafŭi Z gvb`E Abŭvqx chŭyŭYi gva`tg wkyv_ŭ` AvZghP v, AvZwckjm I mRbkj Zv, tŭZz; cŭvŭb AvMŭ Ges cigZ mŭnŭŭZv gj`vqb Kiteb

10. $\mu\kappa\acute{\upsilon}\nu\mu\omicron\gamma$ $\theta\kappa$ $m\beta\gamma$ $t\kappa\mathbb{V}$

cŭg Aa`vq : Kgŭ gvbŭeKZv

wLbdj	vel qe`	wLb-tkLufbv vbt` Rbv	wefkl gj`vqb vbt` Rbv
<p>epxexiq</p> <ol style="list-style-type: none"> 1. kŭgi ghŭvi ŭiazi e`vL`v KitZ cvi te 2. KvRi tŭtŭ AvZghŭv, AvZŭeklm I mRbkj Zvi ŭiazi e`vL`v KitZ cvi te <p>Avfelmŭ</p> <ol style="list-style-type: none"> 3. KvRi tŭtŭ AvZghŭv kxj , AvZŭeklm I mRbkj nŭZ AvMŭx nte 4. kŭgi cŭZ BwZevPK gŭbrfve `Zwi nte 5. fbZZ;cŭvŭbi mvt_ mvt_ `bvZK AvPi tŭ Dŭk nte 6. Aŭb`i gZvgŭzi cŭZ k`vkj nte 	<ul style="list-style-type: none"> • KwqK kŭgi ŭiazi • tgav kŭgi ŭiazi • AvZghŭv eRvq ti tL KvR Kiv • KvR mdj Zv I AvZŭeklm • KvR I mRbkj Zv 	<ul style="list-style-type: none"> • KwqK kŭg vbtqvRZ GKRb e`wŭŭtK tkŭKtŭ Gŭb Zvi mŭyvZKvi Mŭtŭi e`e`v KitZ cvi b Gtŭtŭ wkyv_ŭv cŭkŭŭtŭi gva`tg Zvi KvR mŭtŭK`avi Yv j vf Kitē wkyv_K mŭvj K mŭvte wkyv_ŭv i cŭkŭtŭj v MvBW Kitēb Ges Gi gva`tg wkyv_ŭv thb KwqKkŭgi ŭiazi eŭŭtZ cvi t mŭtŭK j ŭ` ivLteb • tgavkŭg vbtqvRZ e`wŭŭtŭ i tK m ŭwW Dc`vcb KitZ cvi b cW`cŭtŭKi mŭvqZv vbtq G wŭtŭq wkyv_ŭv i avi Yv `uŭo Kitēb • KwqK kŭj I tgavkŭgi ŭiazi wŭtŭqK wŭvWl wŭtŭ gŭwŭvWvq cŭRŭtŭi mŭvŭtŭ cŭkŭb KitZ cvi b • cŭkŭŭtŭi gva`tg AvZghŭv eRvq ti tL KvR Kivi Dcvqmg RvŭtZ PvŭtZ cvi b cW`cŭtŭKi mŭvŭtŭ vbtq G wŭtŭqK Mŭi etj wkyv_ŭv i avi Yv Ai l `uŭo Kitēb • tŭvU `tj AvtŭvPbv Kŭi KvR mdj j vŭf AvZŭeklm I qvi ŭiazi tkŭŭtZ Dc`vcb KitZ ej tZ cvi b • ceŭZPtkŭŭtZ wkyv_ŭv th mKj KvR Kŭi tŭ Zv t_ŭk th tKŭv Gkŭw KvR wŭvŭZ Kŭi KvRŭw Kivi tŭtŭ mRbkj Zvi cŭqRbŭqZv e`vL`v KitZ ej tZ cvi b thgb: dj evbŭtŭv • AmŭŭŭMŭi mŭŭŭŭKiv, ŭe t_ŭk Mŭi wj Lv, Mŭi t_ŭk ŭe AvKv BZ`w` KvRi gva`tg KvRi mvt_ Gi mŭŭKŭwŭtŭq wkyv_ŭv i avi Yv Av I mŭsnZ KitZ cvi b 	<ul style="list-style-type: none"> • tkŭŭ Afŭŭŭvi gva`tg wkyv_ŭv i AvRZ Avb I `ŭyZv hvPvB Kitēb • wŭŭŭi Z gvb` tŭi AvtŭvŭK `j MZ KvR gj`vqb Kitēb • wŭŭŭi Z gvb` ņ Abŭvŭx AvZghŭv eRvq ti tL KvR Kivi Dcvqmg mŭtŭK`gŭŭLk Dc`vcb gj`vqb Kitēb • tkŭŭi KvRi gva`tg AvZghŭv, AvZŭeklm I mRbkj Zv mŭtŭK`wkyv_ŭv i ŭv Av mŭŭŭŭMŭi mŭŭŭŭKiv, ŭe t_ŭk Mŭi wj Lv, Mŭi t_ŭk ŭe AvKv BZ`w` gj`vqb Kitēb

ՎՅՈՒՄԱՆ ԳՐԱՅԻՆ ԿՐԹՈՒՄԻ Ի ԴՐՈՒՄ

ՎՅՈՒՄԱՆ ԳՐԱՅԻՆ ԿՐԹՈՒՄԻ Ի ԴՐՈՒՄ	ՎՅՈՒՄԱՆ ԳՐԱՅԻՆ ԿՐԹՈՒՄԻ Ի ԴՐՈՒՄ	ՎՅՈՒՄԱՆ ԳՐԱՅԻՆ ԿՐԹՈՒՄԻ Ի ԴՐՈՒՄ	ՎՅՈՒՄԱՆ ԳՐԱՅԻՆ ԿՐԹՈՒՄԻ Ի ԴՐՈՒՄ
<p>ՎՅՈՒՄԱՆ ԳՐԱՅԻՆ ԿՐԹՈՒՄԻ Ի ԴՐՈՒՄ</p> <ol style="list-style-type: none"> cՕZ`ւոK Rxeթb ւոթRi KւR ւոթR Kivi յիաջիe`ւL`v KiտZ cvիte cՕZ`ւոK Rxeթb cՕqւRbxq cւիeթիi Ab`ւոթիi KւR e`ւL`v KiտZ cvիte cւիeթիi մ`միi տկրզ ւոթqւմRZ յKvi յիաջիe`ւL`v KiտZ cvիte cւիeթիi eւBիi e`ւՅիi Օւիւ մաւն` Z cՕZ`ւոK Rxeթbi KւR յիւի յիաջիgj`ոյY KiտZ cvիte ւեւրբոճKւթR I տկրզ ւոթqւմRZ e`ւՅիK մաջb cՕ kթbi յիաջի e`ւL`v KiտZ cvիte 	<ul style="list-style-type: none"> cՕZ`ւոK Rxeթbi KւR յիւի ւոթR Kivi յիաջի Արցաթիi Rxeթb cւիeթիi Ab`ի KւթRi յիաջի cւիeթի Ab`ի KւթR մնոզV cւիeթիi մ`միi փիտեւիY I տկր KւR I տկրի յիթի մաջb cւիeւի e`ZxZ Ab`ի KւR KւR յիւի յիաջի KւR I տկրզ ւոթqւմRZ e`ւՅիi մաջb cՕ kթbi յիաջի 	<ul style="list-style-type: none"> `j MZ փեթեBb արցեթ Kի ւոթRi KւR ւոթR Kivi յիաջիտկՕյտZ Dc`ւոcb KiտZ ejտZ cvիb cieZթZ cւV`cյիKի մնոզVոյ Gi յիաջի e`ւL`v KiտZ cvիb KւթRi յիթի Արցաթիi Rxeթb cւիeթիi Ab`ի մնոզVոյ Kivi մաւն Արցաւ մաւնK`cՕkթիi գրադգ ce`ւոcb հւթB KiտZ cvիb cւV`cյիK յիթի bxi e cւV I G ւոլտգ տրոզոյ KւR KiտZ ejտZ cvիb cւիeւի K KւթR մնոհ` Kivi ԱրհԱZ eւթb Kivi Rb` ւոկյւ`իի K Արնոբ Kiteb (տյի յիւի ուտZ cvի: տՕւ փոթեթի`ի հZեւ տյ Lւոov, MոմՅոյոյ մնոզVոյ, Lւeւի `ZւիտZ մնոզVոյ BZ`ւո) փիտեւիY մսմիսի cՕkթիոյ: LւZւ-Kյ g, հւZոյոյ e`ոյ, ւոկւոcb, ւե`ոյ յոյի տեZb BZ`ւո` Ն Liթի Drm Kո? G ւոլտգ `j MZ Արիւթb KiտZ ejտZ cvիb Արիւթb գրադգ G Liթիւ տգոթիւ յիթի cւիeթիi մ`միi տկրզ ւոթqւմRZ յKvi յիաջի: մաւնK`ոյ ւLZ eՅe` Dc`ւոcb KiտZ ejտեb տՕւ`տյ eթմ cւիeթիi eւBիi e`ւՅիi Օւիւ մաւն` Z cՕZ`ւոK KւR յիւի Zւոյ Kւ`Zւի Ges KւR յիւի յիաջիe`ւL`v Kի տկՕյտZ Dc`ւոcb KiտZ ejտZ cvիb cւիeթիi մ`միւ Kիտb Ggb KւթR eւ տկրզ ւոթqւմRZ GKRb e`ւՅիK տկՕյKիյ Gիb Zւի eՅe` տկրոյ Ges ւոկյւ`իi միտ_gZւեոյոյ e`e`ոյ KiտZ cvիb cՕkթիi գրադգ KւR I տկրի cՕZ մաջb cՕ kթbi յիաջիe`ւL`v KiտZ ejտZ cvիb cւV`cյիKի մնոզVոյ ւոթq G ւոլտգ ւոկյւ`իi արիւթb Արիւ`ոյ KiտZ cvիb eւոյ KւR ւոնոյե KւR I տկրզ ւոթqւմRZ e`ւՅիK մաջb cՕ kթbi յիաջի: ւոլտգ cՕZե`b ոյ Liտ ուտZ cvիb 	<ul style="list-style-type: none"> ւոկյւ`իi ւոթRi KւR ւոթR Kivi յիաջի: ւոլտգ տկՕյ Արիւթb գրադգ gj`ոյոյ Kiteb տկՕյի KւթRi գրադգ cւիeթիi Ab`ւոթիi KւթRi յիաջի gj`ոյոյ Kiteb cւիeթիi մ`միi փիտեւիY I տկր Ges cւիeւի e`ZxZ Ab`ի KւR մաւնK`Dc`ւոcb ւոկյւ`իi `j MZ KւR ւոնոյ Z գոթիե` gj`ոյոյ Kiteb KւR I տկրզ ւոթqւմRZ e`ւՅիi մաջb cՕ kթbi յիաջի: մաւնK`cՕ`e` eւոյ KւR ւոնոյ Z գոթիe` Արիւթb gj`ոյոյ Kiteb

wLbdj	wel qe'	wLb-tkLufbv wbt' Rbv	wetkl gj'vqb wbt' Rbv
<p>g'tbvtckR</p> <p>6. cwi ev'ti i Ab'vb't' i Kv'R mnvqZv c0'vb Ki'te </p> <p>7. we''vj tqi Af'sli'xY KwqK KvRmgn Ki'te </p> <p>8. w'R we''vj tqi evB'ti Ab' we''vj tqi Af'sli'xY KwqK KvRmgn Ki'te </p> <p>9. ev'e cwi w'wZ'tZ KwqK Kv'R Ki'te </p> <p>10. c0'Z'wnK Rxe'tbi c0'qvRbxq e'w'3MZ KvR welqK GKwJ bwlUKvq AskM'hY Ki'te </p> <p>Av'tellxq</p> <p>11. Kv'Ri c0'Z BwZevPK g'tbvfve c'Kvk Ki'te </p> <p>12. we'fba'tckvq wbt'qvmRZ e'w'3i c0'Z k'xvkxj n'te </p>		<ul style="list-style-type: none"> • wky'v_#`i KtqKwU`'tj fVM Kti c0'Z`'j tK Avjv`v Kti we''vj tqi Af's'ti i Ges wky'v_#v Ki'tZ cvite Ggb KvR wba'fY Kti t'teb wba'f'i Z mgq c'ti c0'Z`K`'j Kx Kx KvR Kti t'0 Zv tk0'YK'ty' Dc`rcb Ki'te (m'ae' KvR: evMvb Kiv, cwi'Qbzv - we''vj q Aw'z'bv, tk0'YK'y, evi'v, tkSP'Mvi; cwi'tek Dbqb, tk0'YK'y m'w'4ZKiY BZ'w') • wky'K Ab' we''vj tqi m'f_ ce'fhwM'thvM I AbgnZi w'f'EtZ wky'v_#`i w'kU'`Ab' we''vj tq wbt'q h'teb Ges tmL'v'tb we'fba'KwqK KvR (w'R we''vj tq Kti Ggb KwqK KvR) m'au'`b Ki'tZ ej'teb • ce'fhwM'thvM I AbgnZi w'f'EtZ wky'v_#`i ev'e cwi w'wZ'tZ KwqK KvR Kiv'tbvi Rb' w'kU'`KwqK k'0gi ty't' wbt'q th'tZ cv'ti b Ges tmL'v'tb we'fba'KwqK KvR m'au'`b Ki'tZ ej'teb ty't' ,tjv n'tZ cv'ti: KwL Rwg, grm'Pvl, ebvqb, ey'tivcY, Kj -Kvi Lv'bv, KwiLi w'k' , M'v'ti R, I t'qm' s BZ'w' • wky't'Ki wbt' Rbvq eo`'tj we'f'3 n'tq c0'Z'wnK Rxe'tb c0'qvRbxq e'w'3MZ KvR welqK Kgct'y 10 w'gubU e'w'3i bwlUKvq AskM'hY Ki'te bwlUKvq c0'Z`K wky'v_#` AskM'hY w'bu'0Z Ki'teb 	<ul style="list-style-type: none"> • ch'fey'tYi gra'tg Kv'Ri c0'Z wky'v_#`i BwZevPK g'tbvfve Ges we'fba'tckvq wbt'qvmRZ e'w'3i c0'Z k'xvkxj Zv gj'vqb Ki'teb • ch'fey'Y I tk0'YtZ Dc`w'cZ c0'Z'te`'tbi Av'tj vtK wky'v_#`i we''vj tqi Af'sli'xY KwqK KvRmgn gj'vqb Ki'teb • ch'fey'tYi gra'tg wky'v_#`i 0'v'v m'au'w' Z w'R we''vj tqi evB'ti Ab' we''vj tqi Af'sli'xY KwqK KvRmgn gj'vqb Ki'teb • ch'fey'Y I wba'f'i Z gvb'tE ev'e cwi w'wZ'tZ m'au'w' Z KwqK KvR gj'vqb Ki'teb wky'v_#`i Dc`w'cZ bwlUKvq welqe'`ch'fey'tYi gra'tg gj'vqb Ki'teb

11. κέρµα QK Αόγ tkW

c0g Aa`vq : tgav, KwqK k0g I AvZAbnÜvb

wLbdj	wel qe`	wLb-fkLvfbv wbt` Rbv	wetkl gj`vqb wbt` Rbv
<p>epxeEiq</p> <ol style="list-style-type: none"> 1. gibeRxeb k0gi c0ve e`vL`v Ki+z cvi te 2. wkv I KgfytI AvZgh`v, AvZ`ekjm I mRbkxj Zvi ,iazi wetkl Y Ki+z cvi te <p>AvteMiq</p> <ol style="list-style-type: none"> 3. wkv I KgfytI AvZgh`v vxj , AvZ`ekjmx I mRbkxj ntZ AvMhx nte 4. k0gi gh`v c0vfb AvMhx nte 5. fbZZj c0vfb mrt_ mrt_ `bwZK I `wqZkxj AvPi`y D0k nte 6. Atb`i gZigZ ,iaZj mrt_ wetePbv Ki te 	<ul style="list-style-type: none"> • mf`Zvi AMhvI`vq tgav I KwqK k0g • wkv I KgfytI AvZgh`v vi ,iazi <ul style="list-style-type: none"> o Awg Kx AvZgh`v m=ub0 • wkv I KgfytI AvZ`ekjmi ,iazi <ul style="list-style-type: none"> o Awg Kx AvZ`ekjm? • wkv I KgfytI mRbkxj Zvi ,iazi <ul style="list-style-type: none"> o Awg Kx mRbkxj? 	<ul style="list-style-type: none"> • wkv c0Pxb I eZ0vb mf`Zvi wefb0we avivemKfite c0 kb Ges mf`Zvi weZ`b tgav I KwqK k0gi Ae`vb e`vL`v Ki+z cvi b • AvapbK mf`Zv Kxfite Mto Dtv0 Zvi weiy Dtl L Ki te GtytI wZwb c0Pxb Kvij i we`vj q I AvapbK mgtdi we`vj q, c0Pxb Kvij i M0g I AvapbK mgtdi M0g ev ezeUrtmZwb0Yi cteP Ges cti i Ae`vi Zj bv Ki+z cvi b AvtjvPbv cti wkv_0 i mf`Zvi weKtk KwqK k0g I tgav k0gi Ae`vb m=utK`c0k0Ki te thgb: tmZi wRvBb Kiv tkvb ai`bi k0g? tmZi wbgPY Kiv tkvb ai`bi k0g? BZ`w` c0kie DEi t`tk wkv_0 i avi Yv Avi I `u0 Ki te • cv`cy`k Ki AvZ`gj`vqb QKmgv ci`Y Ki+z ej te ci`YKZ QK_`tjv wkv K t`L te QK gj`vqb tk`l c0Z`K wkv_0 K Avj`v vrite civgk`v te <ul style="list-style-type: none"> o wkv_0 i gvbwmK `t`i K_v wetePbv Kti c0Z`ki Zt`i tMvcbxqZv i`v Ki te • t0vU` tj AvZ`gh`v, AvZ`ekjm I mRbkxj Zv wel q_`tjv wbtq AvtjvPbv Ki+z ej`z cvi b Ges cv`cy`k mnvqZv wbtq G_`tjvi ,iaZj wel qm tk0tZ Dc`vcb Ki+z ej`z cvi b ewoi Kiv wmvte G wel q_`tjv wbtq c0Z`te`b wj`tl AvbtZ ej`z cvi b 	<ul style="list-style-type: none"> • gibe Rxeb k0gi c0ve wetq tg0LK Dc`vcbv gj`vqb Ki te • `j MZ KvR ch`ey`yi gra`tg wkv_0 AvZ`gh`v, AvZ`ekjm I mRbkxj Zv, fbZZj c0vfb AvMhx Ges cigZ mnd0Zv wba0i Z gvb`E Abhvq gj`vqb Ki te • wkv I KgfytI AvZ`gh`v, AvZ`ekjm I mRbkxj Zv wel qk wkv_0 i ewoi KvR gj`vqb Ki te

ՎՅՁԳ Ասօց : Արցտ՝ի ԿՎՐ, th_tj v Atb՝iv Կ՛ի

Pj gvb 2

<p>ԿԼԵԴԵՅ</p>	<p>ՎԵՂԵՎ՛</p>	<p>ԿԼԵ-ԻԿԼՎԵՅՎԵ՛ ԴԵՅ</p>	<p>ՎԵՂԻ ԳՅ՛ՎԵՅՎԵ՛ ԴԵՅ</p>
<p>ԳՅՎԵՐԿՐ</p> <p>4. ԸՎԻԵՒԻ ԸՂՎՆԻ ԿՎՐ ՄՆՎԶՎ ՇՎԵ ԿԻԵ </p> <p>5. ՎԵ՛ՎՅ ԴՅԻ ԲԲՏԻԻԿ ԿՎՐ ԿՎՐՄԳՆ ԿԻԵ </p> <p>6. ԵՎ՛Ե ԸՎԻՎ՛ՎԶԻԶ ԿՎՐ ԿՎՐ ԿԻԵ </p> <p>ԱՎԵԼՄԳ</p> <p>7. ԿՎՐԻ ՇՂԶ ԲՆԶԵՎԿ ԳՅՎԵՐ ՇԿՎԿ ԿԻԵ </p> <p>8. ՎԵՐԲԵԿՎՐ Ի ԻՇԿՎ ՎԵՂՎՐԶ ԵՎ՛ՅԻԿ ՄՅՎ ՇՂԿԵ ԸՂՎՎԻ ՆԵ </p> <p>9. ՇՂՎՆԿ ԴԻԵԻ ԸՂՎՐԵՅ ԿՎՐՄԳՆ ԿԻԶ ԸՂՎՎԻ ՆԵ </p>		<ul style="list-style-type: none"> • ԿՅՎ՛ՊԻ ԳԵ՛ ԻՎԻ ԸՎԻԵՒԻ ԸՂՎՆԻ ԿՎՐ ՄՆՎԶՎ ԿԻՎ ԲԲՎՄ ԸՂՎՎ ՉՎ՛Ի 2-3 ԴԻԵ ԲԲԲԶՎ ԵՂՎ ԿԻԶ ԵՅ՛Զ ՇՎԵԻԻ ԳՅՒ ԸՎԻԵՒԻ ԸՂՎՆԻ ԿՎ ԿՎ ՄՅԵՎ ՆՂ ՉՎ ԵՎ՛Վ՛ ԿԻԶ ԵՅ՛Զ ՇՎԵԻԻ • ԿՅՎ՛ՊԻ ԿԴԿՎՎ՛Յ ԲՎՄ ԿԻՎ ՇՂԶ ՛ՅԻԿ ՎԵ՛ՎՅ ԴՅԻ ԲԲՏԻԻԿ ԿՅՎ՛ՊԻ ԿԻԶ ՇՎԵ ԳԳ ԿՎՐ ԸՅՅ՛Վ ԿԻՎ ՎԵՒԻԿ ԿԻՎ Ի՛ՅԵԻ ՎԵՒԻԿ Զ ՄԳԳ ՇՎԵ ՇՂՎ՛Կ ՛Յ ԿՎ ԿՎ ԿՎՐ ԿԻԶ ԶՎ ԻԿՎԿԻՅ ԸՇ՛ՎԵԵ ԿԻԵ (ՄՅՎ՛ ԿՎՐ: ԵՎՄՎ ԿՎ, ՇՎԻ՛ՂՅՎ՛ - ՎԵ՛ՎՅ Գ ԸՂՎՅՎ, ԻԿՎԿԻՅ, ԵՎ՛Վ՛Վ, ԻԿՏՎՄԻ; ՇՎԻԵԿ ԸՅՅՎ, ԻԿՎԿԻՅ ՄՅԶԶԿԻԿ ԸՂՎ՛Վ՛) • ՇԵՒՎՄԻՎՄ Ի ԸԳՅՆԻ ՎԲԵՒԶ ԿՅՎ՛ՊԻ ԵՎ՛Ե ԸՎԻՎ՛ՎԶԻԶ ԿՎՐ ԿՎՐ ԿՎՐԵՎԻ ԴԵ՛ ՎԿՎ՛ ԿՎՐ ԿՅՅԻ ԻՅ՛Ի ՎԵՂ ԻԶԶ ՇՎԵԻԻ ԳԵՒ ՄԼՎԵ ՎԵՐԲԵԿՎՐ ԿՎՐ ՄՅՎ՛Ե ԿԻԶ ԵՅ՛ԵԻ ԻՅ՛Վ՛ՅՎ ՆԶ ՇՎԵԻԻ: ԿՎՐՄ, ԳՐՄՎԻ, ԵՅՅՎ, ԵՅ՛ԻՎԿ, ԿՅ-ԿՎԼՎՎ, ԿՎՎԻ ԿՎԻ, ՄՎԻՐ, ԻՅՅՎԻՍ ԸՂՎ՛Վ՛ 	<ul style="list-style-type: none"> • ՇՎԵՅ՛ՎԻ ԳՎ՛ԴԳ ԿՎՐԻ ՇՂՎ ԿՅՎ՛ՊԻ ԲՆԶԵՎԿ ԳՅՎԵՐ ԳԵՒ ՎԵՐԲԵ ԻՇԿՎ ՎԵՂՎՐԶ ԵՎ՛ՅԻ ՇՂՎ ԿՅՅՎԿՅ ԶՎ ԳՅ՛ՎԵՅ ԿԻԵԻ • ՇՎԵՅ՛ՎԻ Ի ԻԿՎ՛Զ ԸՇ՛ՎԵՇ ՇՂՎ՛Յ ԻԵ ԱՎՅՎԿ ԿՅՎ՛ՊԻ ՎԵ՛ՎՅ ԴՅԻ ԲԲՏԻԻԿ ԿՎՐ ԿՎՐՄԳՆ ԳՅ՛ՎԵՅ ԿԻԵԻ • ՇՎԵՅ՛ՎԻ ԳՎ՛ԴԳ ԿՅՎ՛ՊԻ ԸՅՅՎ ՄՅՎ՛Վ՛ Զ ՎԵՐ ՎԵ՛ՎՅ ԴՅԻ ԵՎԻ՛ ԸՂՎ՛ ՎԵ՛ՎՅ ԴՅԻ ԲԲՏԻԻԿ ԿՎՐ ԿՎՐՄԳՆ ԳՅ՛ՎԵՅ ԿԻԵԻ <p>ՇՎԵՅ՛ՎԻ Ի ՎԵՒԻԿ ԳՅՎ՛Յ ԵՎ՛Ե ԸՎԻՎ՛ՎԶԻԶ ՄՅՎ՛Վ՛ Զ ԿՎՐ ԿՎՐ ԳՅ՛ՎԵՅ ԿԻԵԻ </p>

ZZiq Aa`vq : Avgv` i wkyv I Kg®

wLbdj	vel qe`	wLb-tkLv`bv wbt` Rbv	wetkl gj`vqb wbt` Rbv
<p>ep`eEiq</p> <p>1. Kgfy`I mdj` j vfi c0qRbxq`Y AR`bi Dcvqmg` e`vL`v KiZ cvite </p> <p>2. wkv I Ktg` gta` m`uK`e`vL`v KiZ cvite </p> <p>3. Kgms`vbi mvt` cv` vel qmg`ni m`uK`wetk`Y KiZ cvite </p> <p>4. cieZ` wkv` i kvL` I vel q wbeP`b wbt`Ri AvMh` I cEYZ` mbr` KiZ cvite </p> <p>5. AvZ`Kgms`vbi c0qRbxqZ` e`vL`v Kti GKw c0Zte`b wj LtZ cvite </p> <p>gtbvt`c`K R</p> <p>6. we`vj` tq AvqmRbgj` K GKw Kvhp`tg AskMh`Y Ki te </p> <p>Avtel`iq</p> <p>7. cieZ`wkyv` i wefb`kvL` I vel qmg`ni` i az` RvbtZ AvMh` nte </p> <p>8. wkv` c0mq` Ae`vnZ` ivLvi c0Z BwZevPK` gtbv`ve cKvk Ki te </p>	<ul style="list-style-type: none"> • Kgfy`I mdj` Zvi PmeKwV • wkyv I Ktg` m`uK® • cvW` vel q I Kgms`vbi <ul style="list-style-type: none"> o Avgvi Rvbi AvMh` o Avgvi fvtj` vj` vMv o Avgvi thvM`Zv o Avgvi fvel`Z` wkyv` o Avgvi fvel`Z` Kgfy`I • wbt`Ri fvel`Z` wbt`RB Mwo 	<ul style="list-style-type: none"> • Kwqk` k0gi` gva`tg` Kgfy`I mdj` Zv` j` v`f` Kti`0` Ggb` GKRb` e`w`3`K` tk0YKt`y` Avg`y` Rwb`tg` Gtb` Zwi` AwF`AZ`v` tkvbi` e`e`v` KiZ` cvtib • Kgfy`I mdj` ntqt`0` Ggb` Kv`iv` Rieb`x` Avtj` vPbv` KiZ` cvtib` ev` Zt`` i` Rieb`xi` Video Clip` gw`e`w`q`w`q` c0R`±`ti` i` gva`tg` c0`k0` KiZ` cvtib AZtc`i` D`±`3` Avtj` vPbv` gva`tg` wkyv`` i` avi`Yv` `u0` Ki te b • t0vU` `tj` wkv` I Ktg` gta` m`uK` vel qK` Avtj` vPbv` Kti` Dc`vcb` KiZ` ej`tZ` cvtib • Avgvi` Rvbi` AvMh`, Avgvi` fvtj` vj` vMv, Avgvi` thvM`Zv, Avgvi` fvel`Z` wkyv, Avgvi` fvel`Z` Kgfy`I vel q``tj`v` cv`cy``K` wba`ni`Z` tPK`w`j`±`-i` mrv`th` wbt`R` i` Ae`v`b` wba`f`Y` KiZ` ej`te b • AvZ`Kgms`vbi` gva`tg` mdj` e`w`3` i` tKm` ±`w`/Kw`nbx` Avtj` vPbv` KiZ` cvtib cv`cy``K` G` vel`tg`i` Avtj` vPbv` e`vL`v` Kti` wkyv`` i` avi`Yv` Av`i` `u0` Ki te b Ges`Zv``i` tK` G` vel`tg` Abwa`K` 1500` kt`ai` gta`` GKw` c0Zte`b` wj` LtZ` ej`te b • cvW` vel qmg`n` (Mvn` A`_BwZ, Kw` wkyv, Pvi`a`l` Kvi`aKj`v` BZ`w`) AvRZ` `y`Zvi` wfi`E`Z` wkyv`` i` v`w`e`m`q` Dc`thvM` `e`w` `Zwi` Kite cti` we`vj``tq` Aa`fej` ve`vcx` AvqmRbgj` K` GKw` tgj`vi` gva`tg` Zv` w`e`m`q` Ki te 	<ul style="list-style-type: none"> • ep`eEiq` wLbdj` `tj`v` tk0Y` Af`y`vi` gva`tg` gj`vqb` Ki te b • wkv` I Ktg` gta` m`uK®` vel qK` wkyv`` i` `j` MZ` KvR` wba`ni`Z` gvb` `tE` gj`vqb` Ki te b • tk0Y` Kv`Ri` gva`tg` Kgms`vbi` mvt`` cv` vel qmg`ni` m`uK`m`±`U` wkyv`` i` wetk`Y` gj`vqb` Ki te b • AvZ`Kgms`vbi` c0qRbxqZ`v` m`uK`c0`E` ewo`i` KvR` wba`ni`Z` gvb` `E` Abh`vqx` gj`vqb` Ki te b • ch`e`y`t`Yi` gva`tg` wkyv`` i` BwZevPK` gtbv`ve` gj`vqb` Ki te b • ch`e`y`t`Yi` gva`tg` we`vj``tq` AvqmRbgj` K` Kvhp`tg` wkyv`` i` AskMh`Y` gj`vqb` Ki te b

12. **tj LK vbt` Rbv**

vk`v_` i Rb` AvKI`q, Avb``vqK I gvbm`S cw`cy`K i Pbv i t`t` tj LtKi Rb` wKQvbt` Rbv I m`w`k :

1. tj LK Aek`B i i`Z (Kg`I Rxebg`Lx wky`w) w`l`qi vk`v`m`g `w`j`w fvtj`v`v`te cw` Kti Gi D`i`k, `i`az`i I gg`A`p`v`eb Kiteb | w`t`kl Kti vk`v`m`g e`w`Z vk`Lbdj, w`l`q`e`j vk`Lb-tkL`v`bv t`K`Skj, D`vni`Y, gj`v`qb BZ`w` tg`Sj w`l`q`_`tj`v`w`v`b fvtj`v`v`te Avq`E` Kti w`b`teb |
2. tj LK t`K Aek`B cw`cy`K i Pbv mgq vk`v`v`i` i eqm, vk`v`v` i I cw`v`v`bi m`t`h`v`M m`p`e`av w`e`t`e`P`v`q i v`L`T`Z n`e |
3. w`l`q`_`tj`v`v` Ggb`f`v`te e`v`e` D`vni`Y, w`P`I, O`ie, P`v`U`BZ`w` mg`S`f`q m`n`R`f`v`l`v`q Dc`v`cb Ki`t`Z n`e h`v`t`Z cw`cy`K w`k`y`v`v`i` i w`b`KU AvKI`q, m`n`R`t`e`v`a` I vk`v`v`e`v`U`e`n`q | K`v`h`e`g`_`tj`v`v` Aek`B w`k`y`v`v`t`gi m`v`t`_`m`v`g`A`m` e`R`v`q t`i`L w`l`q`m`u`³, R`x`e`b`N`w`b`o, `u`o I A`_`e`Y`n`l` q`v` e`v`A`b`v`q |
4. c`i`Z`w` cw` Dc`v`cb`v`i` mgq w`l`q` e`v` c`i`Z`t`qi m`S`A`v` w`t`q` i i`e`K`i`v` i w`Z` w`b`i`a`r`m`v`w`Z` K`i`v` n`t`"O | e`i`s cw` i Pbv mgq M`i` e`v` D`vni`Y`m` e`Y`v` K`i`v` c`i`v`g`k`" I q`v` n`t`"O h`v`t`Z vk`v`v`_`M`i` e`v` e`Y`v`i` g`a` w`t`q` A`b`m`U`v`b`g`j` K` `w`o`f`v`w` w`b`t`q` w`l`t`qi gg`D`c`j`w`a` Ki`t`Z m`t`g`n`q |
5. K`w`q`K` k`g`v, t`g`a`i`k`g`v, w`k`y`v` I K`g`f`y`t`I` m`d`j` e`v`w`³ i R`x`e`b` I K`g`cw`cy`K` m`i`W`K`f`v`te Dc`v`cb`i` R`b` tj LK m`se`v`c`I, R`v`b`f`j, c`k`w`k`Z` cy`K, w`b`e`U, c`i`Z`t`e`b, m`a`u`v`K`x`q BZ`w` i m`v`v`h` w`b`t`Z` c`v`t`i`b | Z`t`e` G` t`t`t` m`S`u`o` K`w`c`Z`i` Av`B`b` Aek`B` A`b`m`i`Y` Ki`t`Z` n`e |
6. w`l`q`e`j` Dc`v`cb`v`q` m`Z`Z`v, `b`w`Z`K`Z`v, t`k`c`g`v, a`g`w`b`i`t`c`y`Z`v, c`i`g`Z`m`w`o`Z`v` BZ`w` m`i`g`w`R`K I `b`w`Z`K`_`Y`v`e`j`i` c`v`k`v`c`w`k`_`f`U`v` c`o`v`q` c`h`f`B` vk`Lb-tkL`v`bv` K`v`h`e`g`m`n` w`j` L`i`Z` n`e | Z`v`O`v`o`v` vk`Lb-tkL`v`bv` K`v`h`e`g`_`Z`_`v` t`k`v`i` K`v`R, t`g`S`w`L`K` Dc`v`cb`v` (w`e`Z`K`D`c`w`Z` e`³Z`v, BZ`w`), e`m`o`i` K`v`R, A`b`m`U`v`b`g`j` K` K`v`R I `j` M`Z`K`v`R` c`w`i` P`v`j`b`v`c`i`x`y`Y` A`b`k`x`j`t`b`i` R`b` A`w`Z`w`i`³ w`c`w`i`q`w` w`e`t`e`P`v`q` t`i`L` (c`y`t`K`i` R`b` w`b`a`v`t` Z` c`o`v`i` g`t`a`") c`w`cy`K` i`P`b`v` Ki`t`Z` n`e |
7. Z`t`_`i` t`i`d`v`t`i`m` t` I` q`v`i` t`y`t`I` c`P`w`j` Z` i`w`Z` Aek`B` A`b`m`i`Y` Ki`t`Z` n`e |
8. tj LK c`i`Z`w` A`a`v`t`qi` i`i`e`Z` e`f` vk`Lbdj` w`j`t`L` i`i`e`K`i`teb | G`K`B` vk`Lbd`t`j`i` G`K`w`a`K` cw` n`t`Z` c`v`t`i` | j`y` i`v`L`T`Z` n`e` c`i`Z`w` cw` t`k`t`l` w`b`v`"e` vk`Lbdj`w` t`h`b` A`w`R`Z`n`q |
9. P`j`w`Z` f`v`l`v`q` e`i`s`j`v` G`K`v`t`W`g`x`i` c`i`g`Z` e`i`v`b`i`w`Z` A`b`m`i`Y` K`ti` c`w`cy`K`w` i`P`b`v` Ki`t`Z` n`e | t`U`K`w`k`"j` k`a` I` c`w`i` f`v`l`v`i` t`t`t` e`U`b`x`i` g`t`a` B`S`t`i`w`R` e`e`n`v`i` Ki`t`Z` c`v`i`teb |
10. vk`v`v`t`gi` w`b`t` R`b`v` A`b`h`v`q`x` c`i`Z`w` cw` 50` w`g`v`b`t`U` Dc`v`cb`v`i` Dc`t`h`v`M`x` K`ti` w`j` L`i`Z` n`e | c`i`Z`w` cw` c`v`k`v`c`w`k`_`f`U`v` c`o`v`q` c`h`f`B` vk`Lb-tkL`v`bv` K`v`h`e`g`m`n` w`j` L`i`Z` n`e | Z`v`O`v`o`v` vk`Lb-tkL`v`bv` K`v`h`e`g`_`Z`_`v` t`k`v`i` K`v`R, t`g`S`w`L`K` Dc`v`cb`v` (w`e`Z`K`D`c`w`Z` e`³Z`v, BZ`w`), e`m`o`i` K`v`R, A`b`m`U`v`b`g`j` K` K`v`R I `j` M`Z`K`v`R` c`w`i` P`v`j`b`v`c`i`x`y`Y` A`b`k`x`j`t`b`i` R`b` A`w`Z`w`i`³ w`c`w`i`q`w` w`e`t`e`P`v`q` t`i`L` (c`y`t`K`i` R`b` w`b`a`v`t` Z` c`o`v`i` g`t`a`") c`w`cy`K` i`P`b`v` Ki`t`Z` n`e |
11. c`i`Z`w` A`a`v`q` t`k`t`l` `y`Z`w`f`v`E`K` e`u`m`b`e`f`P`b`x` I` m`R`b`k`j` b`g`b`v` c`k`e`m`S`t`h`v`R`b` Ki`t`Z` n`e |
12. c`w`cy`K`i` c`o`v` m`S`l`v` : **K.** I`o` t`k`v`i`- 64-96, **L.** m`B`g` t`k`v`i`- 64-96, **M.** A`o`g` t`k`v`i`- 64-96 c`o`v`i` g`t`a` n`t`Z` n`e |
13. c`v`E`j`j` w`c` : **K.** d`U` m`v`B`R` 13` n`t`Z` n`e | **L.** j`v`B`b` t`u`m` 1.5` n`t`Z` n`e | **M.** c`v`E`j`j` w`c`i` m`v`B`R` 1/8` w`w`m` (22"-32") n`e | **N.** K`t`U`U` G`w`i` q`v` 9.5"x6.25" n`t`Z` n`e |

wkÿvµg

K'wī qvi wkÿv

beg-`kg tkw

2. Dîîk

1. my`i fîel`r weibg@Y mRbkj , Kí brcêY, AbymUrmY Ges chfeyY `ÿZv m=úbnI qv Ges Rxebe`vcx wkÿvq AvMòx nI qv|
2. wbtRi m=útK@avi Yv jvf Kti fîel`r K`wi qvi MVtb mPZb nI qv|
3. K`wi qvi MVtb c@qvRbxq , Yvej I `ÿZv m=útK@AeMZ nI qv I G,tjv AR@ Kiv|
4. K`wi qrti mdj Zvi tÿtÎ e`wMZ AvPiY I KvhRi thMthvMi cFie m=útK@avi Yv jvf Kiv Ges KmÿZ AvPiY AvMòx nI qv|
5. eZ@vb I fîel`r m=tebigq KgÿÿÎ m=útK@avi Yv jvf Kiv|
6. wkÿv I KgÿÿÎ `bwZK I `wqZkxj AvPiY D@k nI qv|
7. K`wi qrti mvdjt`i tÿtÎ tbZtZi , Yvej I mnthwMZvi gtbvfe c@k@b D@k nI qv|

3. Aa`vq fîEK web`vm I wci qW eÈb

wkÿv mÿtq K`wi qvi wkÿv weitqi c@ZwU Kwmi Rb` 50 wgvU mgq eiv`i ivLvi mpcwi k Kiv ntqtQ| mBvtn `@U Km AbyôZ nte| Zte nvtZNKj tÿ `ÿZv Dbqtbi Rb` A_ev , iazcY@el tÿ cW`vbi Rb` wkÿK GKwaK wci qW GKmvt_ tbi qvi e`e`v Ki tZ cvtib|

Aa`vq	Aa`vtqi bvg	wci qW
Aa`vq 1	Awg I Avgvi K`wi qvi	15
Aa`vq 2	K`wi qvi MVb : ,Y I `ÿZv	20
Aa`vq 3	K`wi qvi MVtb msthvM `vcb I AvPiY	15
Aa`vq 4	Awg I Avgvi KgÿÿÎ	20
	tgvU	70

4. **wklb-tklvbn DcKiY**

cV'cy'Ki AwZwi³ wnmvte wbeWZ wklb mvgM wkyKt' i Rb' mrvqK nte:

1. K'wi qvi wkyv wel tq wcu I Btj KUtbK wgvWqv Ges B'Uvi tBU t_tK c0B c0Zte` b|
2. gwewgvWqv c0R±i, wmwV, wvfvW, KuúDUvi, B'Uvi tBU msthM, tgevbJ tcvb|
3. wkyKt' i Rb' ti dvtiY eB|
4. mdtj' i Mí eV Success stories mSKj b|

5. **welqW c0Zbi tyt' hv c0qvRb**

1. K'wi qvi wkyv wel tq g'vbjv 'Zwi ceR mKj wkyK, we`vj q e'e'vcv KvgW I Awf'fveKt' i welqW m'utK'AewZ Kiv Ges c0ZwU we`vj tq b-bZg GKRB wkyKt'K G wel tq ckyY c0vb|
2. welqW m'utK'Awf'fveKt' i AeMZ Kivi e'e'v Kiv hrtZ Kti wkyv_#` i nvtZ-Kj tg KvR KivZ m'ean q|
3. welqWi m'pzev'evqtb wevfboc0Z0vb Ges GK we`vj q Ab' we`vj qtK mrvqZv c0vtbi c'kvmbK wbt`Rbv|
4. we`vj tqi tkW Kvhpjg web'vfm welqWtK h_vh_ _i azj c0vb|
5. wKQmsL'K Kvm gwewgvWqv Kvmi atg ev KuúDUvi j've/AvBimU j'vte Ab'vvtbi e'e'v Kiv|
6. c0ZwU we`vj tq B'Uvi tBUi msthM c0vb|
7. cV'cy'K Pri i t0 gy Y|

6. μ kyvμg QK
beg I `kg tkW

cŭg Aa`vq : Avgv I Avgvi K`wi qvi (15 ucvi qW)

ukLbdj	vel qe`	ukLb tkLvtbv vbt` Rbv	vetkl gj`vqb vbt` Rbv						
<p>ey`eE`xq</p> <p>1. K`wi qvi uk`yv cvtVi thšw³KZv eYŃv KiŹZ cvite </p> <p>2. K`wi qviti tytŃ e`w³MZ cŃ`-AcŃ` vbyŃ KiŹZ cvite </p> <p>3. K`wi qviti mvt_ e`w³MZ AvMŃ, thvM`Zv I gj`teftai m`úK`vbaŃY KiŹZ cvite </p> <p>4. fivel`r K`wi qviti icŃiLv e`vL`v KiŹZ cvite </p>	<ul style="list-style-type: none"> • K`wi qviti aviYv • K`wi qviti meKvk • K`wi qvi uk`yvi cŃqvRbxqZv • Avgv, Avgvi uk`yv I K`wi qvi • KgRMr I Avgv • Avgv hv ukLŹZ PvB • Avgv hv KiŹZ PvB • Avgvi cŃt` i cwi eZŃ • Avgvi AvMŃ • Avgvi thvM`Zv • Avgvi gj`teva • K`wi qviti mvt_ AvMŃ, thvM`Zv I gj`teftai m`úK`v • Avgvi `Źc`e K`wi qvi 	<ul style="list-style-type: none"> • gw`ewgWqv/tcv÷vi /teftW`K`wi qviti aviYv vel qK PvU`Dc`vcb • `jMZ KvR: K`wi qvi uk`yv cvtVi cŃqvRbxqZv Avtj vPbv • GKK KvR: K`wi qvi uk`yv cvtVi cŹy cvPvU hv³ wj wLZfvte Dc`vcb • gw`ewgWqv/tcv÷vi /teftW`uk`yv_Ń` i Ae`vb, uk`yvMZ thvM`Zv I K`wi qvi vel qK tdtPvU`cŃkŃ • KgRMr (`vbxq, RvZxq, AvšR`ZK) vel qK wfvW I /cvl qvi cŹqU/tcv÷vi cŃkŃ • GKK KvR: uk`yv_Ń`Kx ukLŹZ Pvq, fivel`ŹZ Kx KiŹZ Pvq, cŃt` i µg Abhvqx Zwj Kv cŹZ KiŹZ • uk`yv_Ń`v RxeŃbi `i iæt_ŹK eZŃvb chšŃi Zv` i RxeŃbi j`y` cwi eZŃbi GKvU avi venmK Zwj Kv cŹZ : <table border="1" data-bbox="932 776 1507 873"> <tr> <td>1g Ń 5g tkŃY</td> <td>6Ń Ń 8g tkŃY</td> <td>eZŃvb tkŃY</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> <ul style="list-style-type: none"> • ewoi KvR: K`wi qviti tytŃ e`w³MZ cŃ`-AcŃ` vbtq cŃZte`b cŹqb • GKK KvR: vbaŃi Z tPKuj Ź÷ i Avtj vtK vbt`Ri AvMŃ, thvM`Zv I gj`teftai Zwj Kv `Zvi • `jMZ KvR: K`wi qviti mvt_ AvMŃ, thvM`Zv I gj`teftai m`úK`vbyŃ I gw`ewgWqv/tcv÷viti Dc`vcb • ewoi KvR: uk`yv_Ń` AvMŃ, thvM`Zv I gj`teftai wfvEŹZ Ń`Źc`e K`wi qvi Ń vel qK i Pbv wj Lb 	1g Ń 5g tkŃY	6Ń Ń 8g tkŃY	eZŃvb tkŃY				<ul style="list-style-type: none"> • Dc`wcz hv³_wj i mivKZvi wfvEŹZ gj`vqb • cŹZKZ Zwj Kvi h_v_Źv gj`vqb • cŃZte`Ńbi Dci wfvE Kti gj`vqb • cŹZKZ tPKuj Ź÷ i wfvEŹZ gj`vqb • i Pbv gj`vqb
1g Ń 5g tkŃY	6Ń Ń 8g tkŃY	eZŃvb tkŃY							

c0g Aa`vq : Awg I Avgvi K`wivqi

Pj gvb-2

wLbdj	vel qe`	wLb tkLvfbv wbt` Rbv	wetkl gj`vqb wbt` Rbv
<p>gfbv`cwkR</p> <p>5. wbt`Ri fvel`r K`wivqti i 0i`cKri`0 weli`q GKwU tcv`vi wWRvBb Ki`Z cvi`te </p> <p>AvteMwq</p> <p>6. K`wivqi MVtb e`w`eMZ AvM0h I`yZvi c0qvRbxqZv Dcj w0 Ki`te </p> <p>7. K`wivqi MVtbi tyt`f e`w`eMZ gj`tevtai`_iaZjDcj w0 Ki`te Ges Zv ARfb AvM0h nte </p>		<p>• GKK KvR: wbt`Pi wWRvBb Abjvi Y Kti tcv`vi `Zwi Ki`te </p> <div> </div>	<p>• wWRvBb Abjvi Y Kti `Zwi KZ tcv`v`ti i wfvE`Z gj`vqb </p>

PZL Aa`vq : Avg I Avgvi KgŷŷĀ

(20 ucni qW)

wLbdj	vel qe`	wLb tkLvfbv vbt` Rbv	wetkl gj`vqb vbt` Rbv
<p>eyxeĒxq</p> <p>1. `vbxq, RvZxq I AvšRŲZK tŷŷĀ ŷiaZcŷKvŷRi tŷŷĀ ŷtj v wPwŷZ KiŷZ cvi te </p> <p>2. AvšRŲZK tŷŷĀ evsj vŷ`tk i KvŷRi mŷhvM-mŷeav e`vL`v KiŷZ cvi te </p> <p>3. PvKwi /tckv/KvR LŷR tctZ MYgra`g I I tŷtei fŷgKv e`vL`v KiŷZ cvi te </p> <p>4. AvZŲKŷms`vbi ŷiaZ; e`vL`v KiŷZ cvi te </p> <p>5. PvKwi i Avte`b Kivi cŷuqv e`vL`v KiŷZ cvi te </p> <p>6. KgŷŷĀ mnKŷŷ i mŷt_ mŷm=úK`eRvq ivLvi tKškj eYŷv KiŷZ cvi te </p>	<ul style="list-style-type: none"> • evsj vŷ`tk ve`g vb KgŷŷĀ mŷgŷ <ul style="list-style-type: none"> o `vbxq chŷq o RvZxq chŷq o fŷel`r m=tebr • Ab`vb` t`tk Avgvŷ` i KvŷRi mŷhvM-mŷeav <ul style="list-style-type: none"> o m=te` tckv ŷtj v • PvKwi /tckv/KvR LŷR tctZ tKv_vq? <ul style="list-style-type: none"> o wŷŷ I Bŷj KŷŷbK wŷwŷqv o I tŷtei KvŷRi tLŷR o KvR tctZ hv j vMte • AvZŲKŷms`vbi I Avg • PvKwi PvB <ul style="list-style-type: none"> o Avgvi RxebeĒvšĀ (evsj v I Bŷŷi wR) • KgŷŷĀ mnKŷŷ i mŷt_ m=úK` <ul style="list-style-type: none"> • EaŷZb • Aat`b • mgghŷ v m=úbe 	<ul style="list-style-type: none"> • jMZ KvR: cv`cy`ŷŷKi mŷvqZv vbtq `vbxq/RvZxq/AvšRŲZK tŷŷĀ ve`g vb KvŷRi tŷŷĀ ŷtj v wPwŷZ Kŷŷi Zwi Kv`Zwi Ges Dc`vcb • GKK KvR: `vbxq chŷq KvŷRi tŷŷĀ ŷtj v Abmŷvb Kŷŷi GKŷŷ cŷZte`b cŷvqb • jMZ KvR: fŷel`r m=tebrvq KvŷRi tŷŷĀ ŷtj v Avtj vPbv Kŷŷi D`Nŷŷbceŷ GKŷŷi Zwi Kv`cŷZ I Dc`vcb • cv`cy`ŷŷKi vbt` Rbv i Avtj vŷK Bŷŷi tŷU/MYgra`g e`envi Kŷŷi cvl qvi cŷqŷU/tcv=vŷi wet`tk Avgvŷ` i KvŷRi mŷhvM-mŷeav I m=tebrvq Dc`vcb • jMZ KvR: wŷŷŷ wŷwŷqv t`tk PvKwi i ve`vcb mŷmŷ Kŷŷi PvKwi i aiY Abŷvqŷ mŷwŷtq tcv=vŷi `Zwi Kiv • cvl qvi cŷqŷU/tcv=vŷi PvKwi tLvRvi I tŷemvBU ŷtj v wKvŷ Ges I tŷemvBŷU Avte`b Kiv hvq Ggb th tKvb GKŷŷi KvR cvl qvi Rb` Kx Kx Aek`K Zv e`vL`v Kiŷeb • jMZ KvR: AvZŲKŷms`vbi tŷŷĀ ŷtj v Zwi Kv`Zwi cvl qvi cŷqŷU/tcv=vŷi tcv=Pŷŷŷ gra`tg PvKwi i Avte`b i avivewŷK cŷuqv Dc`vcb • ewoi KvR: evsj v I Bŷŷi wRŷZ RxebeĒvšĀ `Zwi • Awfbq: KgŷŷĀ mnKŷŷ i mŷt_ m=úK`Kgb nI qv DŷPr- G avi Yvi Dci wŷŷĀ Kŷŷi i wPZ bŷŷŷKŷ Awfbq • GKK KvR: Avŷŷŷŷŷ ci EaŷZb, Aat`b Ges mgghŷ v m=úbe mnKŷŷ i mŷt_ mŷm=úK`eRvq ivLvi tKškj eYŷv 	<ul style="list-style-type: none"> • cŷZte`b vetePbv Kŷŷi gj`vqb • mRbkyj cŷkŷkŷŷ Afŷŷŷi gra`tg gj`vqb • ewoi KvR mŷvte RxebeĒvšĀ `Zwi i tKškj I mŷwŷZvi wŷŷĀZ gj`vqb • tKŷŷŷŷ eYŷŷi (wŷŷŷZ/tgŷŷŷŷ) wŷŷĀZ gj`vqb

PZL Aa'vq : Avg I Avgvi Kgŷŷ

Pj gvb-2

wLbdj	welqe'	wLb tkLvtbv vbt`Rbv	wetkl gj`vqb vbt`Rbv
<p>7. MYgra'g I Z_ I thvMvthvM chŷ³ e'envi i gra'tg wevfbae KvŷRi tŷŷ AbjnÜvb Kŷi GKwU cŷZte`b Dc`vcb KiŷZ cvite </p>		<ul style="list-style-type: none"> • GKK KvR: MYgra'g I Z_ I thvMvthvM chŷ³ e'envi Kŷi wevfbae KvŷRi tŷŷ tŷv AbjnÜvb Kŷi GKwU cŷZte`b cŷvqb 	<ul style="list-style-type: none"> • cŷZte`bi avc_tŷv Ges welqe`i mw/KZvi wfvEŷZ gj`vqb
<p>gŷbvtcŷkR 8. we`vj tŷq AvtqvRZ K'wi qvi tŷj vq mwKŷfvte AskMŷY KiŷZ cvite </p>		<ul style="list-style-type: none"> • K'wi qvi tŷj v AvtqvRŷbi j tŷ` cW`cŷŷKŷi mnvqZvq Ges wkyv_xŷ i vbtq- <ul style="list-style-type: none"> o cwi Kŷi bv cŷvqb o `vqZjeEb o tŷj vi AvtqvRb o mKŷj i AskMŷY vbwÖZKiY 	<ul style="list-style-type: none"> • K'wi qvi tŷj v chŷeyY Kŷi gj`vqb
<p>AvteMŷq 9. `vbxq, RvZxq I AvšRŷZK chŷŷq K'wi qvi mŷúŷKŷAeMZ nŷq vbtRi fvcl`r K'wi qvi MVŷb AvMŷx nŷe </p>			
<p>10. K'wi qvi ŷK mŷnsnZ i vLv Ges Avŷiv mgx Kivi Rb` Rxebe`vcx wkyvq Dŷx nŷe </p>			

7. tj LK wbt` Rbv

evsj v`tk K`wi qvi wkyv wel qiu beg-`kg tkvYi wkvlvmtg clg msthvRb| Avgv`i t`tk cv`cy`K n`Q wkyvmtgi j`y` I D`f`k` ev`evq`fbi c`vb gra`g| wkvlv`f`i Rb` tevaMg`, AvKI`v`xq, Avb>`v`qK, grbm`S Ges wkyvmtgi j`y` I D`f`k` AR`b myg cv`cy`K i Pbv i t`f`f` tj LK`K mZK`v`k`Z nte| G Rb` K`wi qvi wkyv wel tqi tj Lk`i mjev`t`w`K`Qz wbt` Rbvi mpcwik Kiv nj :

1. tj LK Aek`B i i`f`Z K`wi qvi wkyv wel tqi wkvlvmtg `wj j`w fvtjvfvte cv`Kti Gi D`f`k`, `ia`z; I gg`Abaveb Kiteb| w`f`kl Kti wkvlvmtg ewYZ wKLbdj , wel qe`f`j wKLb- tkLvtbv wbt` Rbv, D`vni Y, gj`v`qb wbt` Rbv BZ`w` tgSj wel q`j`v fvtjvfvte AvqE` Kti wteb|
2. tj LK`K Aek`B cv`cy`K i Pbv mgq wkvlv`f`i eqm, wkvlv`i I cv`v`fbi m`thvM mjev`e`tePbvq ivL`Z nte|
3. wel q`j`v Ggbfvte ev`e` D`vni Y, wP`I, Qwe, PwU` BZ`w` mgstq mnRfvlvq Dc`vcb Kitz nte hv`Z cv`cy`KwU wkyv`f`i w`bKU AvKI`v`xq, mnR`eva` I wkvlv`f`evUe nq| Kvhp`g`j`v Aek`B wkyvmtgi mvt` mvg`Am` eRivq ti`L wel qm`u`3, RiebNub`o, `u`o I A`eY`nI qv ev`Abxq|
4. cl`ZwU cv`v` Dc`vcbvi mgq wel q`ev cl`Z`fqi msAv`w`tq`i i`a`Kivi i`w`Z wbi`armwvZ Kiv n`Q| eis cv`v` i Pbv mgq M`i ev D`vni Ymn eY`v Kivi c`ivgk`q` I qv n`Q hv`Z wkvlv`f`M`i ev eY`v`i ga``w`tq Abm`Uvbgj`K `w`f`w`z wbtq wel tqi gg`D`cj`w`a` Kitz m`f`g nq|
5. wkyv I Kg`f`y`f`I mdj e`w`3`f`i Rieb I Kg`cv`cy`f`K m`w`Kfvte Dc`vctbi Rb` tj LK msev`c`I, Rvb`f`j , cl`Kw`Z cv`K, wbeU, cl`Z`te`b, m`u`v` Kxq BZ`w` i m`v`v`w` wbt`Z cv`f`b| Zte G t`f`f`I msuk`o` Kvc`Z`AvBb Aek`B Abm`i Y Kitz nte|
6. wel qe`f`j Dc`vcbvq mZZv, `bw`ZKZv, t`k`c`d`j, ag`v`b`i`c`y`Zv, cigZm`v`v`Zv BZ`w` mvgw`RK I `bw`ZK `y`vewj i cv`kvcw`k Avgv`i i t`M`S`i`te`v`3`4`j BwZ`v`m, gnvb gy`3`h`f`x`i tPZbv, wBR`^ HwZ`n` I ms`w`Zi cl`Z Aek`B `ia`z`w`Z nte|
7. Z`f`i`i` ti`dv`i`m` t`I`qvi t`y`f`I` c`P`uj`Z i`w`Z Aek`B Abm`i Y Kitz nte|
8. tj LK cl`ZwU Aa`v`tqi i`i`f`Z e`f` wKLbdj wj`t`L`i`i`a`Kiteb| GKB wKLbdj`i` GKwaK cv`v` n`Z cv`f`i | j`y` ivL`Z nte cl`ZwU cv`v` tk`f`l` w`b`w` wKLbdj wU thb AvR`Z nq|
9. Pj`w`Z fvlvq evsjv GKv`f`Wgxi cl`g`Z evbvbi`w`Z Abm`i Y Kti cv`v`cy`KwU i Pbv Kitz nte| tUKub`K`v`j` k`a` I cwi fvlvi t`f`f`I e`U`bxi gta` Bst`i`w`R e`envi Kitz cv`f`ieb|
10. wkvlvmtgi wbt` Rbv Abhvqx cl`ZwU cv`v` 50 wgvb`t`U Dc`vcbvi Dc`f`hv`M`x` Kti wj`L`Z nte| cl`ZwU cv`v` cvkvcw`k `f`Uv c`v`q` ch`f`B wKLb- tkLvtbv Kvhp`rgmn wj`L`Z nte| ZvQ`v`ov wKLb- tkLvtbv Kvhp`rg Z`v` tkvYi KvR, tg`v`L`K Dc`vcbv (w`e`ZK`D`cv`Z` e`3`Zv BZ`w`), e`w`oi KvR, Abm`Uvbgj`K KvR I `j` MZKvR cwi Pj`bv/cix`y`/ Abk`xj` f`bi Rb` AwZwi`3` w`cwi`q`w wetePbvq ti`L (cv`f`K`i Rb` w`b`a`w`i`Z` c`v`i` gta`) cv`v`cy`K i Pbv Kitz nte|
11. cl`ZwU Aa`v`q` tk`f`l` `y`Zw`f`v`E`K e`u`b`e`P`v`b` I m`R`b`k`x`j` b`g`bv` c`k`w`m`st`h`v`R`b` Kitz nte|
12. cv`v`cy`f`K`i` c`v`p` msL`v` : 80-88 c`v`i` gta` n`Z nte|
13. cv`E`j` w`c` : K. d`U` m`v`BR` 13 n`Z nte| L. j`v`Bb` t`u`m` 1.5 n`Z nte| M. cv`E`j` w`ci` m`v`BR` 1/8` w`w`m` (22"-32") nte| N. Kbt`U`U` Gwi` qv` 9.5"×6.25" n`Z nte|



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