

কৃষিশিক্ষা

সপ্তম শ্রেণি



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ঢাকা

RvZxq ɯkΠvug | cW'cȳ-K tew©KZK 2013 ɯkΠvlel ©_tK
mßg tk̄iYi cW'cȳ-Ki tc ɯba@i Z

Kwl ɯkΠv mßg tk̄iY

i Pbv
c̄dmi ḡn¤§ Avki vD³4vgib
c̄dmi tḡnv¤§ tn̄tmb f̄Tv
c̄dmi tḡv. Av̄bvqvi j nK teM
W. KvRx Avnmvb nvexe
Av̄bvqvi v Lvbg
tLv` . Rj vdkvi tn̄tmb
G tK Gg ɯgRvbj i ngib

m¤uv` bv
c̄dmi W. tḡv. m` ij Awgb

RvZxq ɯkΠvug | cW'cȳ-K tew©XvKv

RvZxq w̄kP̄w̄g | cW̄c̄y-K teW̄
69-70 ḡZw̄Sj ew̄Yw̄R̄K Gj w̄Kv, Xw̄Kv-1000
KZR c̄Kw̄kZ |

[c̄Kw̄kK KZR me^Zj ms i w̄P̄Z]
cixP̄w̄gj K ms^-<i Y

c̄g c̄Kw̄k : tm̄P̄x^i , 2012

cW̄c̄y-K c̄Nqtb mḡš^qK
kv̄xb̄ teMg
tgvt `j w̄j w̄T v f̄T v

Kw̄Dw̄i Kf̄xw̄R
Kw̄j vi M̄ndK

c̄Q`
m̄j k̄B ev̄Qvi
m̄RvDj Av̄te` xb

w̄P̄t v̄1/4b
w̄m̄ov tkLi w̄P̄šw̄P̄t

w̄RvBb
RvZxq w̄kP̄w̄g | cW̄c̄y-K teW̄

mi Kvi KZR webv̄g‡j " weZi †Yi Rb"

gy †Y :

Ch^{1/2}-K_y

W^{1/2} RvZxq Rxetbi mte^{1/2}Zg^{1/2} Dba^{1/2}bi ceRZ^{1/2} Avi ^Z cwi eZ^{1/2}Kxj we^{1/2}Kj P^{1/2}tj Ä tg^{1/2}Kt^{1/2}ej v Kti evsj v^{1/2} k^{1/2}K Dba^{1/2} I mgw^{1/2}i w^{1/2}K wb^{1/2}q h^{1/2}l q^{1/2}i Rb^{1/2} c^{1/2}q^{1/2}Rb m^{1/2}K^{1/2}Z Rb^{1/2}^3 | fvl Av^{1/2} v^{1/2}j b I g^{1/2}h^{1/2}x^{1/2}i tPZbvq t^{1/2}k Movi Rb^{1/2} W^{1/2} A^{1/2}sh^{1/2} Z tgav I m^{1/2}tebvi cwi cY^{1/2}eK^{1/2}K mnvh^{1/2} Kiv gva^{1/2}gK W^{1/2}vi Ab^{1/2}Zg j^{1/2}| GQvor c^{1/2}u^{1/2}gK ^#i A^{1/2}RZ W^{1/2}vi tg^{1/2}j K Ávb I ^P^{1/2}Zv m^{1/2}c^{1/2}h^{1/2}wi Z I m^{1/2}snZ Kivi gva^{1/2}gK W^{1/2}vi D^{1/2}PZi W^{1/2}vi th^{1/2}M^{1/2} Kti tZyj vI G ^#i i W^{1/2}vi D^{1/2}t^{1/2}K^{1/2} | Ávb^{1/2}R^{1/2}bi GB c^{1/2}u^{1/2}qvi w^{1/2}FZi w^{1/2}t^{1/2}q W^{1/2}vi K^{1/2} t^{1/2}ki A^{1/2}%ZK, m^{1/2}gw^{1/2}RK, m^{1/2}vs^{1/2}ZK I cwi te^{1/2}KMZ c^{1/2}u^{1/2}f^{1/2}gi tc^{1/2}l^{1/2}Z ^P^{1/2} I th^{1/2}M^{1/2} bvM^{1/2}i K Kti tZyj vI gva^{1/2}gK W^{1/2}vi Ab^{1/2}Zg we^{1/2}eP^{1/2} we^{1/2}q|

RvZxq W^{1/2}vb^{1/2}Z-2010 Gi j^{1/2} | D^{1/2}t^{1/2}K^{1/2} m^{1/2}g^{1/2}t^{1/2}b^{1/2} ti^{1/2}L cwi gw^{1/2}RZ n^{1/2}q^{1/2}Q gva^{1/2}gK ^#i i W^{1/2}vi^{1/2}ug^{1/2} | cwi gw^{1/2}RZ GB W^{1/2}vi^{1/2}tg^{1/2} RvZxq Av^{1/2}K^{1/2}j^{1/2}, D^{1/2}t^{1/2}K^{1/2} I mgKv^{1/2} xb^{1/2} P^{1/2}vn^{1/2} vi c^{1/2}Z dj^{1/2} b N^{1/2}U^{1/2}tv^{1/2} n^{1/2}q^{1/2}Q, t^{1/2}mB m^{1/2}_ W^{1/2}vi^{1/2} i eqm, tgav I M^{1/2}Y^{1/2} T^{1/2}gZv Ab^{1/2}h^{1/2}q^{1/2}x W^{1/2}Lbdj^{1/2} w^{1/2}a^{1/2}Y^{1/2} Kiv n^{1/2}q^{1/2}Q | GQvor W^{1/2}vi^{1/2} ^b^{1/2}ZK^{1/2} I g^{1/2}ub^{1/2}eK^{1/2} gj^{1/2} t^{1/2}eva t^{1/2}K^{1/2} i^{1/2}i^{1/2} Kti B^{1/2}vn^{1/2}m^{1/2} I H^{1/2}vn^{1/2}Z^{1/2}-t^{1/2}PZbv, gnvb g^{1/2}h^{1/2}x^{1/2}i tPZbv, W^{1/2}k^{1/2}-m^{1/2}vn^{1/2}Z^{1/2}-ms^{1/2} < W^{1/2}t^{1/2}eva, t^{1/2}k^{1/2}c^{1/2}te^{1/2}eva, c^{1/2}K^{1/2}Z-t^{1/2}PZbv Ges ag^{1/2}eY^{1/2}M^{1/2} | bvi x-cj^{1/2}"I w^{1/2}be^{1/2}K^{1/2}l mevi c^{1/2}Z mggh^{1/2} t^{1/2}eva R^{1/2}M^{1/2} Kivi t^{1/2}Pov Kiv n^{1/2}q^{1/2}Q | GK^{1/2}U w^{1/2}Ávbgb^{1/2} R^{1/2}vn^{1/2}Z MV^{1/2}bi Rb^{1/2} Rxetbi c^{1/2}Z^{1/2}U t^{1/2}P^{1/2}t^{1/2} w^{1/2}Ávb^{1/2} i^{1/2} Z^{1/2}t^{1/2}U Z^{1/2}t^{1/2}U Z^{1/2}c^{1/2}q^{1/2}M^{1/2} | W^{1/2}R^{1/2}U^{1/2}j evsj v^{1/2} t^{1/2}ki i^{1/2}eK^{1/2}-2021 Gi j^{1/2} ev^{1/2}evq^{1/2}t^{1/2}b W^{1/2}vi^{1/2} i m^{1/2}P^{1/2}g^{1/2} Kti tZyj vi t^{1/2}Pov Kiv n^{1/2}q^{1/2}Q |

bZb GB W^{1/2}vi^{1/2}tg^{1/2} Av^{1/2}j v^{1/2}K^{1/2} c^{1/2}V^{1/2}X^{1/2}Z n^{1/2}q^{1/2}Q gva^{1/2}gK ^-t^{1/2}i i c^{1/2}q^{1/2} m^{1/2}K^{1/2} c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2} c^{1/2}V^{1/2}q^{1/2}b W^{1/2}vi^{1/2} i m^{1/2}g^{1/2}_c^{1/2}YZv I ce^{1/2}A^{1/2}w^{1/2}ÁZv^{1/2}K^{1/2} i^{1/2}Zj^{1/2} m^{1/2}½ w^{1/2}eP^{1/2}v^{1/2} Kiv n^{1/2}q^{1/2}Q | c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2}, t^{1/2}j vi w^{1/2}el^{1/2} q^{1/2}w^{1/2}eP^{1/2}b^{1/2} I Dc^{1/2}t^{1/2}bi t^{1/2}P^{1/2}t^{1/2} W^{1/2}vi^{1/2} m^{1/2}Rb^{1/2}K^{1/2} j c^{1/2}Zf^{1/2}v^{1/2} w^{1/2}eK^{1/2}K^{1/2} m^{1/2}at^{1/2}bi w^{1/2}t^{1/2}K^{1/2} w^{1/2}e^{1/2}K^{1/2}l f^{1/2}t^{1/2}e^{1/2} i^{1/2}Z^{1/2}j^{1/2} t^{1/2}qv n^{1/2}q^{1/2}Q | c^{1/2}Z^{1/2}U^{1/2}Aa^{1/2}vi^{1/2} i^{1/2}t^{1/2}Z^{1/2} W^{1/2}Lbdj^{1/2} h^{1/2}3 Kti W^{1/2}vi^{1/2} A^{1/2}R^{1/2}z^{1/2} Áv^{1/2}t^{1/2}bi B^{1/2}vn^{1/2}Z^{1/2} c^{1/2}O^{1/2}v^{1/2}b^{1/2} Kiv n^{1/2}q^{1/2}Q Ges w^{1/2}eP^{1/2}T^{1/2} K^{1/2}v^{1/2}R^{1/2}, m^{1/2}Rb^{1/2}K^{1/2} j c^{1/2}kel^{1/2} Ab^{1/2}vn^{1/2}b^{1/2} c^{1/2}k^{1/2}om^{1/2}st^{1/2}h^{1/2}R^{1/2}b Kti gj^{1/2} w^{1/2}qb^{1/2}K^{1/2} m^{1/2}Rb^{1/2}K^{1/2} j Kiv n^{1/2}q^{1/2}Q |

GK^{1/2}esk^{1/2} KZ^{1/2}Ki^{1/2} A^{1/2}½K^{1/2}v^{1/2}i^{1/2} I c^{1/2}Z^{1/2}q^{1/2}K^{1/2} m^{1/2}g^{1/2}t^{1/2}b^{1/2} ti^{1/2}L cwi gw^{1/2}RZ W^{1/2}vi^{1/2}tg^{1/2} Av^{1/2}j v^{1/2}K^{1/2} c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2} c^{1/2}V^{1/2}X^{1/2}Z n^{1/2}q^{1/2}Q | Kv^{1/2}RB c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2}U^{1/2}i^{1/2}Av^{1/2}i^{1/2} m^{1/2}g^{1/2}w^{1/2}at^{1/2}bi^{1/2} Rb^{1/2} th^{1/2}K^{1/2}v^{1/2}b^{1/2} M^{1/2}Vbg^{1/2}j K^{1/2} h^{1/2}3m^{1/2}½Z^{1/2} c^{1/2}V^{1/2}g^{1/2}k^{1/2}, i^{1/2}Zj^{1/2} m^{1/2}½ w^{1/2}e^{1/2}P^{1/2}Z^{1/2} n^{1/2}q^{1/2}Q | c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2} c^{1/2}Z^{1/2}q^{1/2}b^{1/2} i^{1/2}ecj^{1/2} K^{1/2}g^{1/2}t^{1/2}Ái^{1/2} gta^{1/2} A^{1/2}vn^{1/2}Z^{1/2} ^-^1 m^{1/2}gt^{1/2}qi^{1/2} gta^{1/2} c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2}U^{1/2} i^{1/2}PZ^{1/2} n^{1/2}q^{1/2}Q | dt^{1/2}j^{1/2} W^{1/2}K^{1/2}o^{1/2}f^{1/2}j^{1/2} T^{1/2}U^{1/2} t^{1/2}K^{1/2} th^{1/2}Z^{1/2} c^{1/2}V^{1/2}t^{1/2}i^{1/2} | c^{1/2}i^{1/2}e^{1/2}Z^{1/2}ms^{1/2} < i^{1/2}Y^{1/2}, t^{1/2}j^{1/2} v^{1/2}Z^{1/2} c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2}U^{1/2} K^{1/2}Av^{1/2}i^{1/2} m^{1/2}y^{1/2}, t^{1/2}kv^{1/2}f^{1/2}b^{1/2} I T^{1/2}Ug^{1/2}3 Kivi t^{1/2}Pov^{1/2} A^{1/2}vn^{1/2}Z^{1/2}, _W^{1/2}K^{1/2}t^{1/2}e^{1/2} | evb^{1/2}v^{1/2}b^{1/2} t^{1/2}P^{1/2}t^{1/2} Ab^{1/2}vn^{1/2}Z^{1/2} n^{1/2}q^{1/2}Q evsj v^{1/2} GK^{1/2}Wg^{1/2}X^{1/2} KZ^{1/2} c^{1/2}V^{1/2}X^{1/2}Z evb^{1/2}v^{1/2}b^{1/2} |

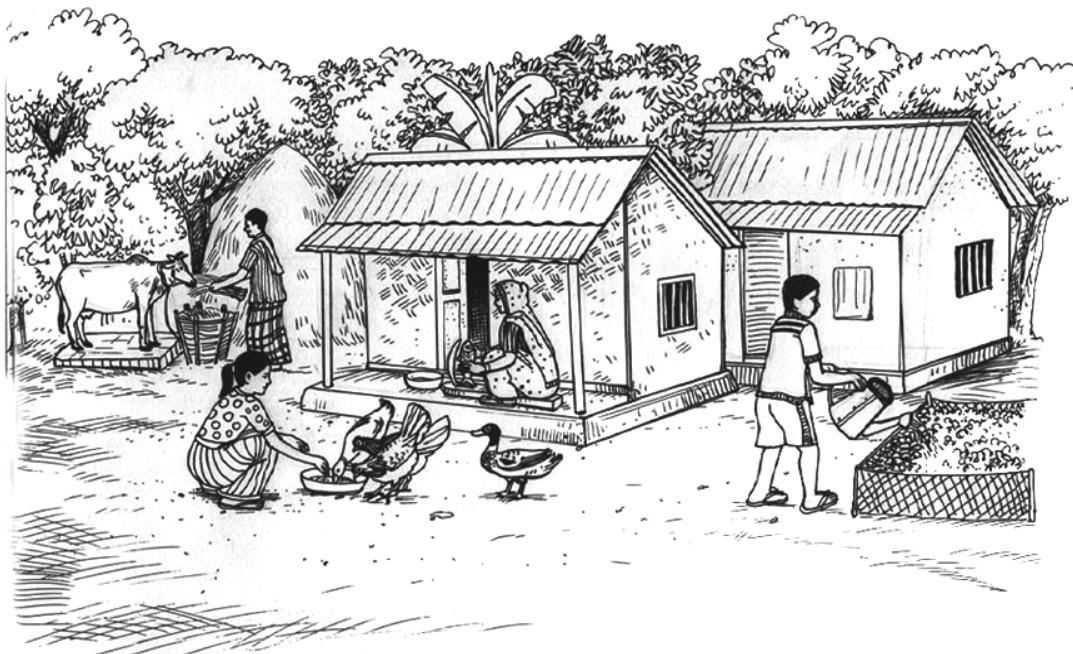
c^{1/2}dm^{1/2}i^{1/2} t^{1/2}g^{1/2}t^{1/2} t^{1/2}g^{1/2}v^{1/2}-dv^{1/2} K^{1/2}g^{1/2}v^{1/2}j D^{1/2}l^{1/2}b^{1/2}
t^{1/2}P^{1/2}q^{1/2}v^{1/2}i^{1/2} g^{1/2}v^{1/2}b^{1/2}
RvZxq W^{1/2}vi^{1/2}ug^{1/2} | c^{1/2}V^{1/2}c^{1/2}y^{1/2}-K^{1/2} t^{1/2}e^{1/2}W^{1/2}[©]X^{1/2}K^{1/2}v^{1/2}

mPcI

Aa ^{itqi}	Aa ^{itqi} ^{likti} ^{bvg}	c ^{ov}
c ^{og}	K ^{wl} Ges Avg ^t ` i ms ⁻ < ^{wZ}	1-14
wZxq	K ^{wl} c ^h ³	15-32
ZZxq	K ^{wl} DcKiY	23-31
PZ _L [©]	K ^{wl} I Rj evqy	49-63
c ^{Ag}	K ^{wl} R Drcv` b	64-89
I ^o	ebvqb	90-112

cõg Aa"vq Kwl Ges Avgv‡` i ms^-<WZ

Kwl i m‡½ ms^-<WZi m¤úK©i †q‡Q| gvbe mgv‡Ri BiZnvm G‡M‡q‡Q gv‡l i Kwl KiR ii" Kivi gva"tg| gv‡l i Lv", e", Avevmb BZ" w` tgšij K cõgvRb mgUvtbvi Rb" Kwl †K cõvb Drcv` b e"e" v n‡mte M‡o †Zj v n‡q‡Q| Rxeb‡K wbivc` I Avb` Nb Kivi Rb" gv‡l i nvRvi eQ‡i i µgMZ cõPov P‡j †Q| Gi ga" w` †qB cwi evi , mgvR, RvZ M‡o D‡V‡Q bvbv cwi †ek bvbv AvÄij K I RvZMZ "ewkó" wb‡q| Drcv` b KgR‡Ei m‡½ m¤úKZ gv‡l i GB ARD‡jvB µ‡g H gvbe‡Mvôxi ms^-<WZ n‡mte MY" n‡q‡Q| Kwl I ms^-<WZi GB AvšÍtm¤úKB GB Aa"vq Av‡jvPbv Kiv n‡q‡Q|



IP† : cwi ewi K Kwl KiR

GB Aa"vq cW †k‡l Avgiv

- 1| cwi evi I mgvR Mv‡b Kwl i f‡gKv e"vL"v Ki‡Z cve |
- 2| weÄvbwfw‡EK Kwl Ges Kl‡Ki Dci gv‡l i wb‡pkj Zvi m¤úK©'vcb Ki‡Z cve |
- 3| Kwl i "ewP†"cY‡Drcv` b eYv Ki‡Z cve |
- 4| Kwl cwi †ek I FZ‡cwi eZ‡bi mv‡_ Kwl Drcv` †bi m¤úK©'vcb Ki‡Z cve |
- 5| ms^-<WZK HvZ‡n"i mv‡_ Kwl tgšmjgi m¤úK© Zvi Ki‡Z cve |

cW 1 : cwi evi MVtb Kwl

Kwl KvRtK tK`^ Kti Avgv` i
cwi evi I mgvR MVtb i mPbv
nqQj | Kwl KvR Kivi AvtM gvbj
ci - cwl wKKvi Kti Aev MvtQi
djgj AvniY Kti Lv` msMh KiZ |
etbi nsm^ ci i AvgugY t_k ePvi
Rb` tm mgq gvbj `jeñfvte
PjvPj KiZ | etbi ci - cwl
wKKtii KvRI gvbj `jeñfvte
AskMhY KiZ | cwi evi m¤utK®
gvbt i ZLbI tKtbt avi Yv Qj bv|
djgj AvniY I wKKvi Kivi gva^tg
gvbj cKwZ, cwi tek Ges cwi teek
nervbœ NUbv Mfxi fvte chfe¶Yi
mthM tctqQj | cwi teek nervbœ



¶P : gv evi I `ju mštvbi mJx cwi evi

NUbv | Gt` i cvi ^uvi K m¤uK®bœfvte chfe¶tbi mthM nZ , nq ememKvi x gvtqt` i | KviY Gt` i
evBti tei nI qvi tZgb cQqRb n‡Zv bv| Gi v tLjb dj tLq Zvi exR , nvi evBti thLvtb tdjtQj b
tmLvtb bZb Pvi v MvRtq MvQ eo nq H GKB dj t lqv ii "Kti tQ | Avi tmB exRB mnRtq bZb MvQ
n‡Q thU tfRv big gvwZ ctowQj | বুদ্ধিমতি bvix mePvBtZ my^y ydj ui exR ivLjb hZekti gvwZ big
Kti exR ctZ w‡tj b | Pvi v MRvtj ZvKt hZekti eo Kitj b Ges GKmgq dj tctj b | GfiteB bvix v cQg
Kwl i mPbv Kti tQj b | wKKtii i htMB gvbj Av, tbi eenvi I wbqSY wktlQj | ci i gvtmi gtZvB MvQcij v
t_kKI tmx Kti ev cjoq my^y Lvvi ^Zvi i tKskj | AvqE KitZ t_wi ntjv bv bvix` i | Awaksk dj
ciKvi ci teikw b ivLv thZ bv, cPb aiZ | ZvB tKvB dmj teikw b msMh v Lv hvq Gi tLvtPjj | µtg
km A_F avb, Mg, Wj BZw i , iZj evoj | KviY G, t j v msMh ci xNp b ivLv hvq | Gi djtj Lvt` i
msKU AtbKvB jvNe ntjv | GB Drcv` b e^v vi tK`^ntq coj bvix | KlwY bvix GKRb cQ` gZv cj`
m/2x LvtR nbtq msmvi i i "Kitj b | Zv` i tQj tgq wgtj Mto DVj Zv` i cwi evi | nbtq Ges cwi evi m¤utK®
wKQy wbqg-Kvbj-cQv pgk AvfAzvi wfweZ ^Zvi ntjv hv tgwvqj cwi evi , t j v tgjt PjZ | Gme
wbqgKvbj Kg teik GLbI tgjt Pjv nq | cwi evi mgvtRi ¶i GKK G avi Yv Gmgq t_kKB cQZwZ nq |
eZgvtb cwi evi mgv gvbj mgvtRi mgvRK, A_‰wZK | ms- < ZK msMvB nbtmte cwi PZ | i ay Lv`^ bq,
mweR wbivcEvi cQg | cQb tK`^ntjv cwi evi | tm, fvjtj vevmv, ^bwZKZv, `wqZfeva w tq mjwZ mKj
cwi evi | eqm | m¶gZv Abjwqz cwi evi i m` m` iv KvR fM Kti wbZb |

KvR: `tj Avtj vPbv Kti wbPi cQe¶ui DËi ^Zvi Ki Ges tkiYtZ Dc`^vcb Ki |

1 | , nq ememKvi x bvix v Kxfvte KvR KvRI mPbv Kti tQj b?

2 | cwi evi MVtb KlwY bvix Kxfvte fwgKv t_kLvtj b?

cW 2 : mgvR MVtb KwL

tZgiv wBqB t` tL _Kte teuki fM tPf¹
 KIK gvtVi KvR Kti dmj djvq| gV
 t_tK dmj msMö Kti ewo Avbb| KI.wY
 ewotZ Avbv dmj hZekti msi P¹Y Kti b|
 M¹gi gvnjiv ewo ewo n¹m-gjM cyj b
 Kti b| teuki fM tPf¹ cjtli Mew¹ ci i
 Lvvi , n¹m-gjMi Lvvi Kti KwL Drcv` b
 Kti _vtKb| gwUi wRbmc¹ ^Zvi Kti b
 Kgvi | tjvvi wRbmc¹ thgb- `v, KwP,
 Kvj BZ¹ ^Zvi Kti b hviv Zt¹ i ejv
 nq Kgvi |

wP¹ : mgvRK eVK

Aw` h¹M cwi evti i KvR, tJv mP¹gZv | meav Abhivqx cwi evti i m`m¹v KitZb| GfvteB kg wfvRbi
 meav gvtl i gvtS ^Zvi ntqQj | mgvR MVtb GB kg wfvRb fngKv t¹LQj | w¹tb w¹tb cwi evti i AwKvi
 | msL¹ v¹ Kti tctZ i "Kij | gvb¹ dmj i cwi PhPKi djb v¹ Kti d¹ Z wLj | dmj teuk¹ b msi P¹Y Kti
 iLvvi wewfbDcvq AwfAZv | ^P¹Zv AR¹ Kij | dtj KwL i cwiwa | cwi mi v¹ Kti tctZ _vKj | KwL weiqK
 Gme cwi eZ¹bi my¹ Lvc LvL qvtbvi Rb¹ gvb¹ Zt¹ i emevmmn wewfbAf v¹mi cwi eZ¹ Kti wQj |

gvb¹ Avi , nvq bv t_tK cwi tek t_tK gwU, euk, KvW, c¹Zv eenvi Kti Ni-ewo ^Zvi KitZ i "Kij |
 Gfvte tek wQycwi evti i emZewo wgtj M¹gi c¹Eb nq| KwL i Kvi tYB gvb¹ teuk teuk cwi tek m¹PZb n¹Z
 _vKj | FZP¹ui Dci dmj Drcv` b th wbfPKxj GU wLj | tKv¹b FZ¹Z tKv¹b dmj Drcv` b Kiv hvq Zv
 e¹Sj | dtj Drcv` b ^ZB evotZ j wMj | KwL KvR Ges cwi evti i bv¹b Avbj w¹ZK wRb¹mi c¹qRb Abfe Kti
 Zv Drcv` tb wQytjvK Ab¹t¹ i PvB¹Z ^P¹Zvi cwi Pq t¹ lq¹ q¹ kg wfvRb ntjv| Kgvi gwUi n¹o-cwZj ,
 Kgvi avZeh¹ Zvi KitZ j wMj | GfvteB mevB¹K wbtq mgvR M¹WZ ntjv|

GB ai¹bi mgvR¹KB b_wAvbxMY Aw` KwL mgvR ejtQb| mgv¹Ri mevB hvi hvi mva¹g¹Zv Drcv` tb
 AskMöY KitZb Ges Pvn¹ vgtZv t¹fM KitZb| Drcv` b tP¹ Ges c¹KwZK m¹ut¹ i Dci mevi mgvb AwAKvi
 wQj | M¹g¹ t¹vi wbi¹c¹Ew mevb mevB wgtj KitZb| M¹gxY GB Aw` mgv¹R mgm¹V wQj c¹Pi | G mgv¹Ri
 gvtl i v c¹KwZK `t¹h¹M t_tK i "Kti dmj webó n¹qv Ggb bv¹b mgm¹v mevB wgtj HKg¹Z i wf¹E¹Z
 mgvab KitZb| GgbwK , i Zi cwi ewi K mgm¹v t¹jv| mgvRKf¹e mgvab KitZb| Rxeb¹K µgMZ mnR
 | my¹ i KivB wQj mevi mgteZ AwKv¹ Aw` mgv¹R HKg¹Z i wf¹E¹Z mgvRc¹wb¹be¹PZ n¹Zb| wZb
 H¹Zn¹ | c¹lv Abhivqx mgv¹Ri KitZb| mg¹qmwab KitZb|

Avgiv t` L¹Q gvb¹ Zvi v¹ Kti t¹K GKwU c¹vb Drcv` b e¹e¹v wntmte M¹to Zt¹Q| KwL t¹K
 Dba¹ t¹K Dba¹Zi Kit¹Q| KwL i cwiwa | cwi mi µgMZ ewotq Zj¹Q| ZvB KwL Drcv` b e¹e¹v gvb¹i
 gta¹ bv¹b gvb¹eK | mgvRK cwi eZ¹ Avbq¹b Pvn¹ ^Zvi Kti P¹j¹Q| G Kvi tY ejv hvq th gvb¹i gta¹
 gvb¹eK , Yewij | gj¹ t¹era c¹Zov KitZI , i Zc¹Y¹fngKv t¹L¹Q| Avgvi tP¹q Avgvi cwi evti i

Tpq mgvR eo G gj` teval Aw` mgvRi wku n‡Z G‡m‡Q | G gj` teva bv _vK‡j Kwl mgvR AM‡hi n‡Z cvi Z bv |

gvbe mgvR weeZ‡b i f wPši vi cikcwk Aii f wPši v ev Aii f kw³I fngKv ti‡L‡Q | tjvf I e³w³-^y_©G‡` i gta` c‡v‡b | Kwl i AM‡Zi d‡j Drcv` b hLb mgvRK Pwn` v Qm‡q tMj ZLb GB D‡E Drcv` b tKD tKD wL‡j tbqvi c‡YZv tL‡Z j M‡j b | bv bv h³‡Z gwj Kvby `we Kit‡b | mntRB tevSi hq AwakZi PZi | kw³gvb e³w³B Gi Kg Kit‡Z cvi‡Zb | MYZwšKfite wbePZ mgvRc‡v‡b i tKD tKD G c‡_cv evot‡j b | Awak PZi GB ¶gZv‡b e³w³iv i ay mgvRK m‡u` B K‡MZ Kit‡j b bv, m‡u` | kw³i tR‡i GK mgq tNvYv Kit‡b th Gici t‡K Avi mgvRc‡v‡b wbePZ Kivi c‡qRb tbB, eskvbjutg mgvRc‡v‡b n‡e | Gi d‡j `JU ^ec‡K mgvRK ci‡eZ‡D NUj | GK. m‡u‡` i Dci e³w³gwj Kvby ^`wicZ n‡jv; `B. eskvbjutgK mgvZ‡s; K‡qg n‡jv | mgvRc‡Z f-c‡Z n‡j b, K‡KK‡ c‡Rv n‡jv | wbgq n‡jv c‡Rv v Z‡t i Drcw` Z dm‡j i GKv Ask LvRv wntm‡e mgvš-c‡fz_v-tRvZ`v, Rg`v ev ivR‡K w‡Z eva` _vK‡eb | mgvšev`x Drcv` b e³e³`vq Kwl Drcv` b e³e³`v i tK‡bv AM‡Z bv n‡j i GK‡`tK Kwl c‡Y`i ^ewP‡` teto‡Qj, Ab‡`tK Kwl cY` wecYb c‡wi‡Z n‡q‡Qj | Kwl tK‡k‡j i Db‡‡bi c‡qR‡b Ges ^`b‡`b Rxet‡bi wev‡b‡g‡b‡K Pwn` v tgU‡Z Kwl w‡E‡K w‡k, e‡z w‡k, A‡z w‡k BZ`w`i G‡K G‡K weKv‡k NUj | Drcv`‡bi Rb` c‡R wev‡q‡M evot‡Z j M‡j |

cW 3 : Kwl i Dci gv‡‡l i wbfP‡k‡j Zv

KvR : w‡Pi tK‡b Kwl R DcKiY t‡K tK‡b ^`v` Drccb‡q Zv evQvB K‡i LvZvq w‡L |

Kwl R DcKiY :

avb, Zjv, cvU, Lo/bvov, ev‡ki UK‡iv, im‡b, Kv‡j wRiv, Zj mx, NZK‡wi | (Aloevera)

Drcb‡` ^`v` :

Pvj, wPov, gvo, m‡v, Kico, m‡v‡j, PU, gv_vj, N‡i i g‡wj, im‡bi im/U‡et‡jU, Kv‡j wRiv tZj/bvB‡Rj v K‡cmj, Zj mx i im/K‡ki Jla, G‡j‡f‡v‡h‡p m‡v‡b | Km‡g‡UK‡m |



Lv` : Argit` i te‡P _vKv Rb` Lv` GK‡S-c‡qRb | Lv` i Pwn` v tgU‡bv‡i Rb` B Kwl i Drc‡E n‡q‡Qj | GL‡bv Argit` i t‡k Kwl i c‡v‡b j ¶` Lv` ^`qsm‡uY‡v AR‡v Kiv| gv‡‡l i Rxeb evP‡‡b‡i Rb` Lv` c‡qRb | Avi Lv` Drcv`‡bi Rb` m‡uY‡‡te gv‡‡l Kwl i Dci wbfP‡k‡j |

e⁻ż : e⁻ż Drčr` tb i cāv Kwl Pgvyj Añk dmj | Zj v cūl Avgit` i cāv Añk dmj | ci i Pgov i ckg w⁻ tq | e⁻ż ^Zw nq | Añk dmj Drčr` tb Kwl I K.I.tKi eo fñgKv i tq | cwi tekevÜe | ^y⁻ i ¶vq DcthMx etj wekþvcr Añk dmj i Dci gvbj wbfPkjy ntQ | Avgit` i t⁻ tk | Zj v Drčr` b GjvKv cñz eQi teþo Ptj tq |

evm⁻vb : mv v cñl exRtob weþki Kt i MögY evm⁻vb GLtbv eüj vsk Kwl wbfP | i ayevm⁻vbB bq, tmLtb e⁻envh⁻Avmevec⁻i wbgP mvgMöi thMvb t⁻ q K.I.K |

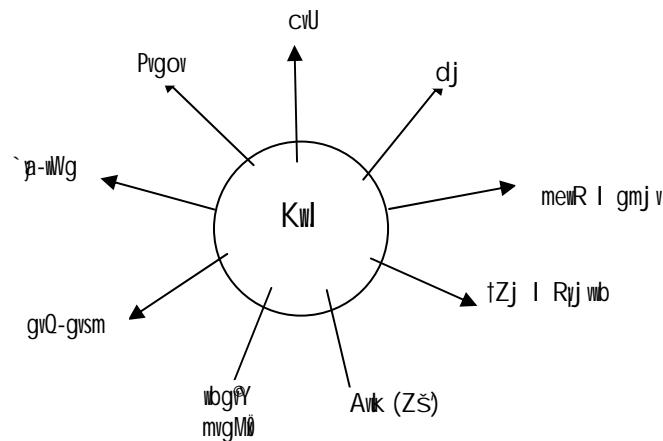
^y⁻ : ^y⁻ i ¶vq m⁻g Lv⁻ Acwi nvh⁻ GB m⁻g Lv⁻ i thMvb t⁻ q Kwl | AñZ cñPxKv j t⁻ KB gvbj ti Mewa wbiugtq JIwa Dw⁻t i Dci wbfPkjy | GB wfwE⁻Z eisj vt⁻ k tfIR, Avgte⁻ I BDtbvbx wPKrmvkv⁻ cñwi jvf Kivq GB mKj JIwa M⁻Qvi PvI I cñwi jvf Kt i | ZvB Kwl I K.I.tKi Ae⁻vb cñwi Z nq | bvbv Kv i tY ^y⁻ i ¶vq eZg⁻b JIwa M⁻Qcyj v e⁻envti i cñYZv evotQ | GB mKj JIwa M⁻Qvi PvI I ZvB evotQ | jvfRbK ntQ | G⁻ i gta⁻ G⁻vtfiv (NZKgwi), wwfqv, Kv⁻ Rv, imþ G⁻ t⁻j v tZv tek L⁻wZ jvf Kt i tQ | wPi Zv, je½ Ggb Añtiv A⁻bK PvI thM⁻ JIwa j⁻, j Zv, e⁻¶i GKUv eo Zv⁻ Kv ^Zw⁻ Kiv hvq | gw v D⁻vb dmj i t⁻M- evj vB wPKrmvq | cñZtivta wbg | G⁻vjgÛv M⁻Qvi cñZvi im Ges i m⁻bi i t⁻mi e⁻envi mpdj⁻ vqK cñwYZ ntq⁻Q | GB mKj Dw⁻c RvZ JI⁻ai eo , Y ntQ G⁻ t⁻j v cik⁻Zw⁻muvgi⁻ Ges cwi tekevÜe |

weþbr` b : Kwl Avgit` i ms- <ñZi GKvU eo Ask | Avgit` i t⁻tki FZt⁻emP⁻t i g⁻ZvB Avgit` i ms- <ñZK ^emP⁻ Ges weþbr` tb i m⁻½ Kwl I K.I.tKi m⁻uK⁻i tq⁻Q | cñwZ, Rwi mw, fwUqwj, KueMv, hv⁻vcyj v m⁻ó⁻Z Kwl I Kwl mgv⁻Ri Ae⁻vb i tq⁻Q | dmj Drčr` b cñqvi RvUj KvR K.I.Kiv `j tet⁻a fv⁻qBqv, fwUqwj, Rwi mw, MvB⁻Z MvB⁻Z Avb⁻ i m⁻ Kt i v⁻Kb | bev⁻tb⁻Zb Ptj i wcv v ^Zw i ag c⁻o hvq |

cñl- 4 : Kwl R Drčr` tb ^emP⁻

eisj vt⁻ k Kwl tZ ^emP⁻

eisj vt⁻ k Kwl Dw⁻c I cñY⁻emP⁻ eügw⁻K | wewfbakm, dj, dj, kvK, meiR, wbgP mvgMö, Zsj JI a cñwZ Drčr` b Kiv hvq G⁻ t⁻k | Aciw⁻K i Kgwi cñ- cñl I dmj ^emP⁻t i Avgit` i t⁻ k wcvQ⁻ tbB | gsm, `y, wbg BZ⁻w cñYR cñY⁻I fici⁻ Avgit` i t⁻ k |



^P⁻ : Kwl Drčr` tb cñY ^emP⁻

gW dm̄tj ^ewP̄

tLyj v tP̄tZ th mKj dm̄j Drcv` b Kiv hq Gt` i mvavi Yfvte gW dm̄j ejv nq| avb, Mg, AvL, mewfbœi Kg Wj gW dm̄tj i D`vniY| G Qov Avg y tcwR, imj, gwi P, njy, Av` v G, t̄jvI gW dm̄j | mviv cW_exZ GKgv̄ Avgit` i t̄t̄kB cU Drcbœnq| AZxtZ G cUtk tmvbwj Awk ejv ntZv| Kvi Y cU i Bwb Kti cPi ^et̄ wK gȳ ARD Kiv thZ| eZgvtb Awei cU Drcv` tbi tP̄t̄ ejx cVtQ| Avkv Kiv hq Aí mḡtqB cU Avgit` i RvZxq Drcv` b | A_‰ZK mḡtqZ m̄ḡbRbK স্থান ` Lj Ki te| GB cU gW dm̄tj i cKo D`vniY| dm̄j ^ewP̄t̄ Avgit` i t̄t̄k LjB সম্মত| avbi t̄t̄k evsj vt̄t̄k cAvk eQi AvtMI c̄q ` BkZ RvZi avb RbWtZv| Kwl i AvavbKvqtb Kvi t̄YI dm̄j ^ewP̄t̄ KḡtZ c̄t̄i | mḡwRK-i vR%bWZK Kvi t̄YI dm̄j ^ewP̄t̄ Kḡi D`vniY Avgit` i t̄t̄k AvtQ| thgb D"p dj bkxj RvZi eVcK PvI ver` Ki t̄Z M̄tq AtbK RvZi avb nwi tq tMtQ| bvbv RvZi Kvcn Zj v evsj vt̄t̄k ḡt̄ GKkZ eQi AvtM RbWtZv| m̄z GKcKvi Kvcn Zj v Gt̄t̄k RbWtZv hv t̄q wekjeLwZ gm̄j b Kico Drcv` b Kiv thZv| GB Zj vi RvZU m̄eZ cU_ex t̄t̄KB wejyB ntqfQ| hw` | mewfbœcKvi Zj v Drcv` b Avgit` i t̄t̄k Awei teo P̄t̄t̄Q| c̄Z eQi cU_exi mewfbœcK t̄t̄k bvbv m̄t̄ bZb bZb Dwmc, Z_v dj, dj, mewR G t̄t̄k AvtQ| Gme bZb M̄Qcvj Avgit` i gW dm̄tj i mv̄t̄ mv̄t̄ D`vib dm̄j | mḡwRK ebet̄t̄i ^ewP̄t̄ | evot̄t̄Q|

cW-5 : D`vib dm̄tj i ^ewP̄

dj

dj dj kvK mewR D`vib dm̄tj i gta^ wefePZ |

Kwvj Avgit` i RvZxq dj | ebvi cwb Rtg bv Ggb Dp̄z Gj vKv KtZv weP̄t̄ ai bi Kvij RbWq G t̄t̄k Zv i nmve GLtbv Kiv nqmb| Kvij i ciB Rbwct̄ dj nt̄Q Avg, Avbri m| G mKj dj | Avgit` i t̄t̄k cPi Drcw` Z nq| Kgjv, Kjv, Kj | K t̄t̄j i ^ewP̄t̄ | tP̄t̄L covi gtZv| Kjv | tctc mviv eQi cU qv hq| teuki fWm dj tḡsmg| wekli Kti ^R̄o gm̄tK gaygm ejv nq Kvi Y t̄kxq bvbv mḡo dt̄j i ^ewP̄t̄ G gm̄wU fici _vK| Qovv Avgit` i t̄t̄k bvbv ai bi | ^v M̄t̄Üi t̄j ey PvI nq| m̄c̄Z Avgit` i t̄t̄k wef̄k dj ^t̄ewi i PvI teuk Rbwct̄Zv jvf Kti t̄Q| Avgit` i gWU | Rj evqG dj PvI i Dct̄hMx|

mewR | kvK

mKj FZtZ i Kgvi mewR Drcw` Z nq G t̄t̄k | wekli Kti kxZKv j ev i we tḡsmg Drcw` Z mewRi ^ewP̄t̄ LjB teo hq| kvKt Kt^ewP̄t̄ G t̄t̄k Kg bq| wKQyKQyKwl dm̄j AvtQ hv GKv t̄K kvK-mewR Aciw t̄K A_Rix dm̄j | cU PvimQ _vKv Ae^-vq GwU Ab^Zg my^v y kvK A_P cY^eqmKvij cU ZSf dm̄j Ges cUkw nq v wbgP̄y mḡm | Rj vib dm̄j |

dj

AwfRvZ tMj vc t̄t̄K i i^Kti Mv`v, tevj, hB BZ`w` kZ kZ i Ktgi dj RbWq G t̄t̄k | Avgit` i t̄t̄ki mKj dt̄j i bvbg Rvbb | tP̄t̄bb Ggb gvbj weij | GK mḡq ^y PvimU dt̄j i MwQ tbB Ggb Mn^`emw LjR cU qv wQj fvi | G Rb^B nqZv m̄c̄Z G t̄t̄k cY^nt̄mte dj tKbtePv Pvj y nt̄qfQ| dj Dcnvi tctj m̄sP̄ nq bv Ggb gvbj weij | dj Avgit` i ms-_{<WZ} Avb` gq Ask | bMivqfYi Pvtc dj jvfRbK cY^

nfq ` wovtbutZ evsj vt` tk i KwL tZ pgk dj Drcv` b I wecYb bñññ cñ"Q| GgbuK wef` tkI dj i ñwm
Kiv nñ"Q|

gmj v : Dò-Av` ©AAñj Ae`"vb ej Avgiv gmj wñcñ RññZ| Avgvt` i t` k gwiP, njy, tcñvR, imþ, Av` v,
tZRcvZv, atb BZ"ñ` i Kgwi gmj v Drcv` Z nq |

Rjy wñb : evsj vt` tk Rjy wñbi thññbI KwL tññT t` K Avñm| wefbaD` "vb dmj cñU I Wj dmj i MñQ t` Ktq
Rjy wñb wññmte eñenvi Kiv hñq| avb fñbvi ci DcRvZ Zñ GKuU fñtj v Rjy wñb| GQov D` "vb I ebR etñli
KwI Rjy wñb wññmte Rbñcñ|

tñvR` tZj : mñi l v Avgvt` i Dñj LññM` tZj dmj | MZ KtqK ` KK hñer mhññLx, mqwebI tZj dmj wññmte
RbñcñZv tcñtqñQ| mñcñZ Pñj i Kñv t` K ewYñR` Kfñtñe tZj Drcv` b nñ"Q|

Ab`"vb` tZj : wPbñv` vg, mhññLx BZ"ñ` tZj exR dmj | HñZñññK Kjy t` KB t` k i KwL ^ewPññi A½|

Jlwa : wbg, Zj mx, Gñtj vtñfiv, kZgj x nñj v Jlwa Dñññc | GQov imþ, njy, Kvñj wRiv, je½ Jla I
cññabñx` Zñi i KuPvgij | GQov nñi K i Ktgi Jlwa Dñññc mgx Avgvt` i t` k|

wbgñY mvgññ : euk, Kw, teZ BZ"ñ` wbgñY mvgññ ^ewPññi Gt` tk tek i tñtqñQ|

wkññi KuPvgij : wefbañKvi Kw, cñU, Zj v, bxj, Ami BZ"ñ` Dñññc Ges cñ i Pvgov, wks, nvo BZ"ñ` I
wkññi KuPvgij | KwL ^ewPññi Ask |

KvR : ` jxq Avñj vPbñi gva"t gñññbññKvi D`"vb dmj i bñtgi Zñj Kv` Zñi Ki | cññK cññKvi dmj i
D`"vnñY I 2ññ Kñi eñenvi ej |

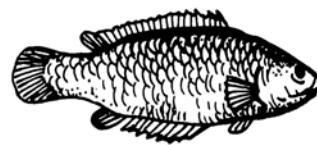
cññ 6 : KwL tZ cññYR Drcv` tbi ^ewPññ

gvQ : evsj vt` k b` x, Ljy, wej, nñl i -eul tñoi t` k| dñj cññKtññtñeB
wgvñ cññbi gñtQñ ^ewPññ ab` GB t` k| nñtZñv G Kvi tñYB evñwñj i Lv`
Zñj Kvñ gñQ GKuU wñcñ e` | evñwñj i GKuU cññ Pq ñgñtQñ-fñtZ evñwñj ñ|
gñQ cñj b I Drcv` b ZñB Avgvt` i KwL i GKuU AmZ , iZcñY©Aa"ñq|
cññK mn wefbañRj wñtqñ gñQ Pvñ jvñRbñK eñU| Pvñ Kiv gñtQñ mñcñtK
Lv` Drcv` b wññmte ZñB ñññk wññññ bñgK GKuU mnñqK KwL wññi Mññ
DññtQ|

t` k i ^` bññ b gñtQñ Pvñ vi GKuU eo Ask GLb Pvñ Kiv gñQ t` K
Avñm| GUv fñññtZ pgññZ evñtZ _ñññtñe eñj B wefkl Át` i aviYv|
cññg cññg iB, Kvñj, gññMj Rvñxq gñQ Pvñ nñtZv| hZB w` b hñññQ GB
wPññU e` tñj hñññQ| MZ KtqK eñQñ hñer cññ gñtYi w` K t` K Ges evñRññ
mnñRññZñi w` K t` K cññññk Ges tZj wñññv gñQ Rbñcñ| Pvñ tññM`
gñtQñ wgnñtQñ thññ w` tñtqñQ cññv, ^K, gññi, gñv BZ"ñ` myññy gñQ|
wefkl Kñi wef` tk i ñññbi Rb` Pvñ Kiv nq tek KtqK RññZi wPññO|
AvñRkjy wgvñ cñññtZi Mj` v wPññO Pvñ Kiv nñ"Q|



wPññ : wPññO



wPññ : ^K gñQ

KuKov : Lv` wntmte KuKov evsj vt`k Rbwicq bñ nñj I i ßwbi Rb` t`ki tek wKQyAAjtj ewYwR^Kfute Gi Drcv` b nñQ|

gjwM I wNg : Lvgti gjwM Drcv` b Avgut` i t`k wetkl Kti ^vaxbZvi ci t`k wetkl i ZjtcqQ Aek Mñ` cwi evti gjwM I wNg Drcv` tbi HwZn` eúKvjtj i | t`k gjwMi gysm mñ`y wKShwNg Kg t`q| Lvgti gysm I wNg Drcv` tbi Rb` thgb gjwMi c_wK RvZ eñenvi nq tZgwb cvj b pñrti wfbø

Abvb` cwl : jvfRbK A_ñP ewYwR^K wfEtz KeZi cvj b G t`k AtbK AtM t`KB Rbwicq| eZgutb tKvqtj i tKvqtj i wNg Drcv` b KIKt`i `wó AñKt`i Kitz tctitQ|



wPt : gjwM

nñm I nñmi wNg : nñl i, ewl o, wej GjwKvq tZv eñUB G Qovl mwiv t`kB thLvtb cKt`wew A_ñP cwl AtQ tmLvtbB nñm PvI KIK cwi evti Rbwicq| bñbv RvtZi nñm PvI Kiv nq Gt`i gta^ ñLwK Kt`w^j RvZq nñm wNg Drcv` tbi Rb` Rbwicq|

QMJ : hwei KvUv ci`t`i gta^ Mncoj Z cñx mnmté G t`k QMJ tek Rbwicq| gusñmi I Pgovl Rb`B QMJ cvj b Kiv nq| bñbv RvtZi QMJ tcvlv nñj I mePvBtZ Rbwicq Gt`kxq RvZtUi bvg ñeñK te½jñ| Gñu gysm AvKvi I kvSí ^vñt`i cñx| Gi gysm LjB mñ`y y|

tfov : mwiv t`k tfov t`Ltz cvl qv tMtj I t`ki wKQywKQy GjwKvq ewYwR^Kfute tfov PvI nq| tfov gysm tcñUtbi Afve tgUvq|



wPt : QMJ

Mi` : ci` cvj Kt`i mePvBtZ wçq ci` nñj v Mi`| Gi cvj b mñeZ Kwl mñ`Zvi tmov t`k| Mi` mñ½ KIK tbi thb AwZtK mñúK^ evsj vt`ki ^vbxq Mi` RvZtjv AvKvi tQvU nñj I Gi Lv` Pwñ`v Kg Ges tek tiñM-eyjvB mnñòz| fvi tZi wñfbø Añtj i Mi` wetkl Kti tek` ja Drcv` tbi Kvi tY G t`k jyj b-cvj b Kiv nq| GKB Kvi tY Atññj qv-ñbDñRj vt`ñj Mi` Gt`t`i Lvgti t`i Kt`Q wçq ntqtQ|

gnl : Mi` gñZv gnll Gt`t`k Añj wetk`l Rbwicq| gnll i `ja Nb nñq qv`ma I wñgbñk`i Gi wetkl Av`i itqtQ| bñbv RvtZi gnll Gt`t`k t`Lv hvq|

QMJ , tfov, Mi`gnll i gysm, `ja, Pgovl, ckg Qovl Gt`i wks I nvo eñenvi Kti bñbv wñk`i -Kvi Lvbxq wñfbñcY` Drcw` Z nq|

bñZkxtZvñ Añtj i b`x wetasZ t`k wntmte G t`ki Kwl R Drcv` b `ewPt` AñbK| Gt`jvi h_wñ_h_jyj b, msiñY I eñenvi GB wñPzAtQj t`kñj Dñj fñel tZi Bñ½Z Kti|

KvR : `jMZ AtjvPvli gva^tg Avgut` i t`ki Kwl R cñxi bñgti Zñj Kv`Zvi Ki | tZvgut` i GjwKvq tKv bñKv bñxi PvI nq ev cvj b Kiv nq tm,tjvi bvg I iñjñjL|

cW- 7 : Kwl cwi tek, evsj v` tki FZPmu | Kwl R Drcv` b

evsj v` tki FZPmu | Kwl R Drcv` b

evsj v` k Qq FZi t` k| G t` tki FZzbi tcP dj wntmte Kj v I tctci bvg Dfj LKiv hq| euk, Kwl, teZ Qrov cUq cUZU gW| D` v`b dmj FZzbfP| B` v`bxs mviv eQi t`f`v`vi Pwv`v tgUvZ Kwl weAvbxiv FZz zbi tcP dmj i RvZ D`v`b M`tel Yv Pvj v`Qb| tek wKQy FZzbi tcP dj, dj, kvK-meR I gW dmj Bt`Zigta B K.I.K ch`q G`mtQ| fwe t`Z Gi msL`v `ZB evote Avkv Kiv hq| AvDk avb wntmte cwi wPZ avb t`j v Qrov evsj v` k avb M`tel Yv Bbw`vUDU D`v`b Z tek wKQy b`v`b avb FZzbi tcP| cU w` ev ^`N` Dci L`p teuk wbfPkjx ejj ^P`t` gvtmi gvsigwS t`_tK `ekvL gvtmi gvsigwS ch`S` Aek`B e`p`t`Z nq| d`M`hi i i`t`ZB teutiv avb Gi exRZj vq exR MRv`Z nq, d`e`t`bi tkI mBvn t`_tK ^P`t`i gvsigwS ch`S` gvtV Pviv t`ivcY Kti t`d`j t`Z nq|

evRv`i Pwv`v _vKvq GLb mviv eQi cUkvK, atb cUZv, cB kvK, WUv kvK, jv`j kvK, jvD, Kgov, cUj, tXok, U`g`t`v BZ`w` meR Drcv` tbi cwi gY evotQ|

gwU : evsj v` tki b`x AeewvKv, t`j v`Z te`j -t`v`k gwUj c`aub` _vKtj I tek wKQy DPzA`j AvtQ hvi gwU jv`j t`P I Gt`Uj | Avevi nv`l i A`j, t`j v`Z Kv`j v, ^Re c`v`P` gwUj c`aub` t`v`k hq| GB gwU eQ`i i GKUv w`v`S mgq cweZ _v`K| gwUj cv`_K`i c`v`te Kwl I ^e`P`t`Zv cvq|

Kwl tg`smg : Mo we`ePbvq c`aub` v`U Kwl tg`smg A`P` i`e | Lvic _vKtj I Avev`l qvi Zvi Z`g`i Kvi t`Y GLv`b Avi I 4wU FZzA`P` tgUQ QqwU FZi c`KvK AvtQ hvi c`v`te Kwl t`Z ^e`P`t` m`o`i Ab`Zg w`bq`gK| GB t`t`k d`t`j i ^e`P`t` I c`Ph`M`S`Kv`t`j -R`v`o gvtm| ZvB GwU gag`m| Avevi kvK-meRi c`Ph`c`KvZKv`t`j ev i`e tg`smg|

b`-ZwE`K cwi tek : K_vq AvtQ evsj v` tki bv`v Rv`Zi gvb`j G`tm w`Z`n`q`t`Q| 0KK ub`j c`v`b tg`m`j GK t`t`n`j xb`b n`q evOwj Rv`Z MwZ n`q`t`Q Aw` evmxt`i m`v`2` wgt`j | ZvB Gt`i mv`<`ZK HwZ`n` thgb ^e`P`t` i`t`q`t`Q t`Zg`b Lv`v`f`m, mv`<`ZK KgRv`E`I ^e`P`t` i`t`q`t`Q hvi c`v`te G t`t`ki Kwl I ^e`P`t`g`q n`q`t`Q| Drcv` b c`wZ t`_tK Drcv` Z dmj i I ZvB ^e`P`t` j`P`Yxq|

evsj v` tki Ae`v`bMZ cwi tek

evsj v` k c`w`exi bwZkx`Zv`o A`At`j Ae`v`Z | `v`P`t`Y e`v`vcm`Mi t`_tK Rj R tgNgv`j Dr`c`b`e`n`t`q tg`smg evq`ew`n`Z n`q D`E`t`i v`ngv`j q c`v`Z` A`At`j evav t`c`t`q c`Ph`i ev`o Siv`j | Avevi GB ce`Zg`v`j t`q`t`j i g`Zv` kv`ZKv`t`j mv`B`t`e`i qvi v`ngkv`Zj evq` c`v`n AvU`K t`q, d`t`j kv`Zl Kg nq|G Kvi t`YB Avgv`i t`k Rx`v`e`P`t` I, we`k`l Kti D`v`m`c ^e`P`t`i t`k wntmte cwi wPZ|

KvR : `j xq Avtj vPbvi gva"tg nbtPi QKwU cY Ki Ges Zv tkWtZ `j MZfvte Dc"vcb Ki |
 jnigK bs newfbœavZi bvq Drcw` Z dmjtj i bvq

1
2
3
4
5
6

cW 8 : evsj vt` tki Kwl I ms^-<Z

bevbæDrme

nvofov LvUb, cÖKwZK `jhMi DrKÉv, jÉbKwi jvwqy t` i jyctui k1/4v, tivM-evjB, c1/2ctj i AvugY I gnvgvxi DrKÉvi ci hLb, netkl Kti avb dmj tKtU Avcb ewoi Aw1/2bvq Gtb Rtov Kti ZLb KIK cwi evti i Avej रुद्र ewbZvi gtb th Lyki cveb Wtk Zvi Zj bv nq bv| KIK-KIwYi tPtL-gtL dtU I tv wMRtqi Avb` I Me® D`vi Zvi teM Abfe Kti b tbh Zviv, wj `ivR n tq ctob| GKUvB gvt Dt0M gvtS-gta" QqgcvZ Kti gtb| G avb gvoB Kti tSto iWktq tMyvq Zj tZ mgq cvl qv hvte tZv? hZ `Z m¤e G mKj KvR Kti t dj tZ e"Í n tq ctob Zviv| Iw tK tgqiv tXwK nbtq e"Í nq bZb avb tfb Pvj Kv, bZb Pvj ,tov Kvq| bZb Ptj i MfÜ Mn-` ewo fti | tV|

bZb Ptj i fvZi cvkvcwK bZb Ptj i cvqm,
 wcv-cyj ^Zvi nZ _vtK| ewoi Kvqj v tQj i v
 bZb j1/2-tMÄ cvq, KvRi tgqiv cvq bZb
 kwo, Pio, tjm-wdZv| ewotZ etmB bZb avb
 w tq tKbv hvq Gme taw i qyj vt` i KvQ t_ tK|
 Lwj nZ tKD wdji hvq bv- wfPKI bv|
 Drmte tgZ I tV mevB| bZb fvZi Drme-
 bevbæDrme|



IP̄ : bevbæ

bevbæDrme tKvbtv netkl tMôxi Drme _vtK
 bv| mevi Drme GUv| Kte G Drme nte Zv
 Aek" wfP Kti tKvb GjvKvq n"Q, tKvb dmj n"Q Zvi Dci | hw` teriv avb nq Zntj ^ekvtL nZ cti
 KvY G mgq teriv avb Nti Avtm| G tP̄t̄ bevbæDrme Avi bee!P Drme wgtjwgtk thZ cti | hw`
 Avgb avb nq Zntj kv `xq Drmtei m1/2 wgtj thZ cti | Drmtei NbNUv Dfq tP̄t̄ B eü, Y tefo hvq|

evsj v beel[©]

ctnj v ^ekvL evsj v beel[®] Kwl -ms^-<Zi GKwU cÖPxv AvPvi t_ tK GB Drmtei cEb aviYv Kv nq| Mgxy
 evsj vt` k ØAvgwbo bvq GKwU cwi ewi K Drme Pvj ywQj | cÖZ eQi ^P̄ msjuwš+ w bMZ ivZ A_P ctnj v

^ekv‡Li Av‡Mi i‡v‡Z ew‡oi M‡nYx GK‡U N‡U c‡w †X‡j Z‡Z K‡P GK‡U Avg cv‡Zvi W‡j t‡L w‡‡Zb | Av‡
tmB N‡U wKQyAv‡Zc Pv‡j tQ‡o †` I qv n‡Zv| c‡nj v^ekv‡Li mKv‡j tmB Avg cv‡Zvi W‡j wU N‡Ui c‡w‡Z W‡q
tmB c‡w mevi kix‡i wQ‡U‡q †` I qv n‡Zv Av‡i N‡U t‡F‡R‡bv Pv‡j wKQ‡Uv K‡i tL‡Z †` qv n‡Zv| MnKZ‡GB Pv‡j
tL‡q t‡‡Z nv‡j Pv‡l Ki‡Z th‡Zb| g‡b Kv‡v n‡Zv G‡Z dm‡j i tK‡bv Ag‡½j n‡e bv| GB w‡l q‡U c‡eZ‡P
K‡j evsj v beel †Dr‡tei GK‡U Ask n‡q hv‡q |

erjv beel Drm̄tei Av̄ti Kū Ask n̄tjv tgjv | ^P̄ ms̄muš+ w̄ tb Ges c̄tnjv ^ekvL mKv̄j tgjv em̄zv | GB
tgjv t̄_KB Mögi gvbj nuo-Sio, `v-Kv̄-Í t̄_K i" K̄i ms̄m̄ti i h̄eZq ^ZRmc̄ K̄b̄zv | c̄ti
Rw̄ wi Avgtj Rwḡ vi iv LvRbv Av̄ v̄qj Rb̄ eQti i c̄l̄g w̄ tb Zut̄ i ewot̄Z Drme Kīzv | c̄Rvi iv LvRbv
w̄ tq w̄ḡoḡt̄L Av̄ w̄qZ n̄t̄zv | nuU evRv̄ti i t̄_Kw̄bivl cqjv ^ekvL Av̄ w̄qB Kīzv Zut̄ i MöK-
L̄t̄i i t̄ i L̄t̄i i iv ewK cvl bv ciw̄t̄kva K̄i w̄ḡoḡt̄L Av̄ w̄qZ n̄t̄zv | GB Abj̄v̄bi Av̄i K bvg w̄qj
nvj LvZv |

bee†l[¶] A†qvR†b h† vcvj v, KneMib I tLj vaj vi A†qvRbI h†^β n‡Zv| GLbI nq|

Mögl. tgj v:

beib@Drmtei Ask wntmte tcsl gvtm Mgg tgj v emtZv hv GLbI PvjyAvfQ| Gme tgj vq thgb bvbv c^ogvRbxq
^ZRmc¹ wb^oq cmwi i v weiu Ki^oZ etm tZgb GLv^b ZufZi Kvo, j^{1/2}, MgQv, P^o, tg^oqij c^ohvaib,
Kvgvi - Kgyti i bvbv avZe ev gwUjⁱ R^bomc¹, eBc¹, c^oU weiu Rb^b | tV| wefbv` tbi | bvbv AvfqvRb t` Lv
hvq| iVfi P^oj h^ol v ev cijw^b GB me tgj vq `+` ivs¹ t^oK gvb^b Avfm| GB tgj v, t^oj v MggY
A_%b^oZK mgwRK-mvs-^cZK tgj v|



WPT : mvgrwRK | mvs-wZK tgj w

KvR : `j xq Av‡j vPbv Ki Ges †kiN‡Z Dc-’vcb Ki |
1| †Zvg‡i Gj vKvi evsj v beeI †Kxf‡te cij b Ki v nq?
2| †Zvgvi †Lv GKvU M‡g” tgj vi eYBv vI |

Abkjbx

Kb''-''vb cijY :

1. e-̄ Drci` tbi c̄ib KuPigij dmj |
2. evsj v beel D̄rmtei Avt̄i KwU Ask nt̄j v |
3. dj , dj , kvk meiR dm̄j i gtā wētePZ |
4. eqm I m̄gZv Abjhvqx cwi evti i m` m̄iv f̄M Kti wb̄Zb |
5. KwL KvRtK tKt̄i Avgit` i I MVtbi m̄Pbv nt̄qQj |

Wgj KiY :

	ergcik	Wbcik
1.	KwL i m̄Pbv Kti tQb	Lv``
2.	evsj v̄t̄ki Dw̄mc I c̄ixi	bvi xi v
3.	Zj v I c̄U Avgit` i c̄ib	cij li v
4.	gw̄Ui ci_ K̄i c̄f̄te KwL I	Awk dmj
5.	gbjt̄ i tḡv̄j K Pvn̄ v̄, t̄j vi c̄gUB nt̄Q	^ew̄P̄ Zv c̄q ^ew̄P̄ eugw̄ K

eū̄beP̄b c̄k̄e

1. 1971 mw̄j evsj v̄t̄ki Lv`` Nw̄Z Kt̄Zv j P̄ tḡUK Ub w̄Qj ?

K. 10	L. 20
M. 30	N. 40

2. ēv̄E` j ^Zw̄i i wf̄E ej v nq tKb Mwb̄tK-

- i. c̄ij -
- ii. w̄n̄`
- iii. wēt̄ w̄k

wb̄tPi tKb w̄K?

- | | |
|-------------|----------------|
| K. i | L. iii |
| M. ii I iii | N. i, ii I iii |

wb̄tPi Abjt̄Q` w̄U c̄to 3 I 4 b̄x̄i c̄k̄e D̄Ei `v̄l :

Sgvi bv̄v̄ , o , o ev̄o i ḡt̄S S̄o f̄w̄Z̄i mw̄j dj ḡj wb̄tq Zv̄t̄ i ev̄v̄q Ḡj AvKv̄k Kt̄j v tḡN I , g,g kā Kti ev̄o Avi I tēto hv̄q |

3. Sgvi bv̄v̄ tKb FZtZ teor̄Z Av̄mb?

K. M̄P̄S	L. elP
M. kir	N. tngš-

Sḡvi b̄bvi d̄j i S̄lo‡Z w̄j -

- i. Avg
- ii. tctc
- iii. Kw̄lj

w̄tP i †Kw̄lU m̄w̄K?

- | | |
|-------------|----------------|
| K. i | L. i I ii |
| M. ii I iii | N. i, ii I iii |

m̄Rbkj c̄k̄e

1. ¶i ēemwq i w̄dK ēemwq tj w̄Km̄b K̄ti kni t̄_‡K Mög w̄dti Av̄tm| Qq m̄`tm̄i c̄wi ēv̄i i ^w̄bK Pw̄n` v c̄t̄Y i w̄d‡Ki w̄ngukg Aē`v| Mög K̄l R m̄xū‡ i ḡta“ Zvi t̄Qw̄E GKw̄l emZewo Qov ḡSw̄i GKw̄l c̄K̄i I 50 kZisk dm̄wj R̄g Av̄Q| G Aē`vq Pv̄Pv Av̄j Zvd gr̄v̄i i c̄ngk@‡Zv tm̄ Zvi GKw̄l K̄l R m̄xū` ēen̄i i D‡`vM tbq| G‡Z tm̄ c̄wi ēv̄i ^w̄b` b c̄Nw̄R Avḡt̄l i Pw̄n` v c̄t̄Yi c̄vkicw̄k ēw̄Yw̄R Kf̄tel jv̄fevb nq| cieZx̄mḡt̄q tm̄ Zvi Ab̄v̄b K̄l R m̄xū` ēen̄i i D‡`vM MöY K̄ti |

- K. K̄l †K tckv w̄nt̄m̄e tbI qvi Av̄M gw̄b| Kq̄lU Dc̄t̄q Lv̄“ msM̄b Ki Z?
- L. Kj w̄K FZw̄bi‡c¶ dj ej vi Kvi Y ēvL̄v Ki |
- M. i w̄dK th Dc̄t̄q Zvi K̄l R m̄xū` ēen̄i K̄ti jv̄fevb n̄q w̄j Zv eYb̄v Ki |
- N. i w̄dK K̄l R m̄xū` ēen̄i i th D‡`vM †j v MöY K̄ti Zv Avḡt̄i Lv̄“ Pw̄n` vi tc̄t̄vc̄t̄U gj v̄qb Ki |

2. tḡj † P̄ti ēej † i Mög f-Mf© c̄mbi ^i w̄tP tb̄g h̄l q̄q Lv̄i I K̄l K̄t̄R c̄mbi ^i Zv † Lv † q| Mög ēej mn̄ `yGKRb Qov mKj K.I.KB c̄q `v̄i ^i w̄k̄lZ Ges Zv‡ i ḡta“ mn̄thw̄MZvi fveI Kg| G‡Z Pv̄l vev̄ †_‡K w̄tR‡ i ^i me w̄K0‡ZB Zvi v c̄qB ti vM-ēv̄b 0v̄v Av̄juši nq| ēej † i D‡`vM mḡeq I K̄l KḡZw̄ mn̄qZv̄ Mögevmx D™Z mgm̄v mḡav̄b Av̄k© K̄l mḡR Mv̄t̄bi D‡`vM MöY K̄ti Ges c̄mbi ^i Zv mgm̄v mn̄ Ab̄v̄b mgm̄v mḡav̄b mdj nq|

- K. c̄t̄nj v̄ekv̄Li mK̄t̄j N̄Ui c̄mb K.I.‡Ki kix̄i w̄Qw̄t̄q † l qv n̄tZv t̄Kb?
- L. ēvj v̄` k‡K bw̄Zkx̄‡Zv̄ò AÂj ej vi Kvi Y ēvL̄v Ki |
- M. ēej † i Mögi K.I.Ki v Kx ai‡bi mḡw̄RK c̄‡¶c MöY K̄ti c̄mb mgm̄v mḡav̄b Ki ‡Z c̄v̄i Zv ēvL̄v Ki |
- N. ēej † i Mögi K.I.K I dm̄t̄j i ^i MZ mgm̄v tḡKv̄tej vq Av̄k©K̄l ēē`vcbvi , iZj w̄etkH Ki |

mswP|B DËi cke:

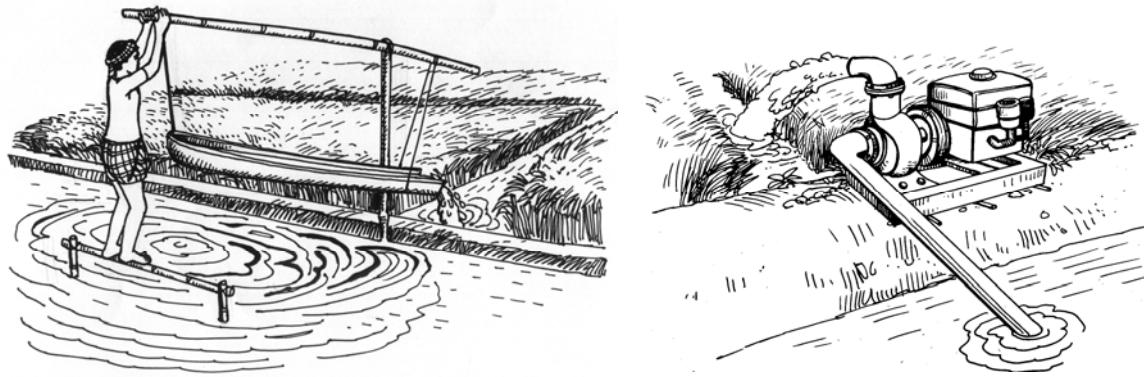
1. D`vb dmj Kx?
2. bevbDrme KvK ej?
3. tgšij K Pwn` v ej tZ Kx teS?
4. Wg Drcv` tbi Rb` Rbincj nimi bvg tj L|

i Pvgj K cke:

1. Mötgj v Avgit` i t` tk i MögxY A_>ZK mgwRK ms- <ZK tgj w, K_wU e_vL_v Ki |
2. evsj v` tk dmj ^ewPtT i Abkj Kvi Y, tj vi D`vn i Ymn GKwU Zwj Kv `vI |
3. Avgit` i t` tk bevbDrme GKwU KwlfwEK Drme e_vL_v Ki |
4. cwi evi I mgwR Mvtb KwL i fngKv e_vL_v Ki |

WZxq Aa'vq
Kwl cōy³

Avgiv cōy³i h̄M evm KiQ| Rxēbi cōy³ t̄p̄t̄B Avgiv AvajbK cōy³ ēenvi KiQ| Kwl KvR GKU
ēAwbK KvR| GB KvRt̄K mnR Kivi Rb̄ ĀtbK cōy³i D̄eb n̄qt̄Q| KI.t̄Kiv GLb GB cōy³, t̄j̄v
dm̄t̄j i ḡt̄V thgb ēenvi KiQb t̄Zḡb D̄m̄c I cōyxi eskēx̄t̄ZI ēenvi KiQb| Avevi Mew̄cī I
num-gj̄M cyj t̄b cōy³ thgb ēenvi KiQb, t̄Zḡb ḡQ P̄t̄l I ēenvi KiQb| wēAv̄t̄bi M̄el Yv hZ G, t̄"0
cōy³i D̄eb l ZZB evōQ|



PT : ^`n̄K k̄g I h̄šK Dc̄t̄q tmP cōyb

GB Aa'vq c̄V tk̄t̄l Avgiv -

- 1| Kwl t̄Z ēēZ ḡW cōy³, t̄j̄v ēvL̄v KiQz c̄ie|
- 2| D̄m̄c I cōyxi eskēx̄t̄Z cōy³i ēenvi wētk̄H KiQz c̄ie|

KwI tZ eēeūZ gW cōy³

CW- 1: cwb tmPi cōqRbxqZv | KvhRwi Zv বৃন্দি

tmPi cōqRb

Avgiv Rwb RngtZ cwb tmP bv w̄ t̄j dmj Drcv` b m̄e bq | KšyGB tmPi cwb i AcPq nq | tmPi cwb i Drm f-lobgē' tn̄K A_ev f-Dci-' tn̄K meB cōqvi grāt̄g D̄Ej b Kiv nq | GtZ KI.tKi k̄gi ēq nq Ges At̄_PI ēq nq | ZB tKv̄bfv̄teB tmPi cwb i Ac̄q ev AcPq h̄tZ bv nq tm̄ `tK `m̄o w̄ t̄Z n̄te | A_ PI tmPi cwb i AcPq t̄va Kiv grāt̄g Gi KvhRwi Zv বৃন্দি Kiv h̄q |

er̄úxfite tmPi cwb i AcPq nq | Krfite tmPi cwb i AcPq nq Zv wb̄P D̄tj L̄Kiv nt̄j v |

1 | er̄úxfeb

2 | cwb i Abm̄eY

3 | cwb P̄ȳtbv

er̄úxfeb : m̄thP Zvtc cōzwbqZ Lvj -wej , b̄x-bvj v t̄tK thfite cwb er̄úxfZ n̄t̄O t̄Zḡb dm̄j i Rngi tmPi cwb i er̄úxfZ n̄t̄O | cwb i GB er̄úxfeb t̄va Kiv Kw̄b ēv̄vi | Z̄e mgqgtZv Ges cwi gv̄YgtZv cwb tmP w̄ t̄Z n̄te h̄tZ dmj wb̄R cōqRt̄b cwb M̄Y KītZ c̄ti |

cwb Abm̄eY : wēy wēy AvKv̄t̄i tmPi cwb gw̄Ui wb̄Pi w̄ t̄K P̄tj h̄l q̄t̄K cwb i Abm̄eY ej v nq | Abm̄eYi grāt̄g tmPi cwb At̄bK AcPq nq | tmPi bv̄vq ev RngtZ k̄3 -i bv̄_v̄Kt̄j cwb i Abm̄eY Nt̄U | AZGe, bv̄v ev RngtZ wb̄P k̄3 -i m̄o Kt̄i cwb i Abm̄eY t̄va Kiv h̄q |

cwb P̄ȳtbv : cwb P̄ȳtbv cwb i Abm̄eYi Abj̄e | i ay cv̄_R̄ n̄t̄j v Abm̄eYi grāt̄g cwb wb̄P P̄tj h̄q | Avi P̄ȳtbv i grāt̄g cwb Ab̄ t̄P̄tZ P̄tj h̄q | At̄bK B̄j AvB̄j i Gcv̄k-I cv̄k MZ̄Kt̄i | B̄j i M̄Z̄P̄ grāt̄g I cwb P̄B̄tq Ab̄ t̄P̄tZ P̄tj h̄q | AZGe, t̄P̄tZi AvB̄j I bv̄v k̄3 gw̄Ui Øiv Ggbfite KītZ n̄te tb̄ cwb P̄B̄tq bv̄ h̄q | RngtZ B̄j h̄tZ MZ̄Kt̄i t̄Z bv̄ c̄ti tm̄ ēēv̄ KītZ c̄ti j cwb P̄ȳtbv Kt̄g h̄te |

tmPi KvhRwi Zv বৃন্দি

dm̄j i cōqRt̄bi mgq tmP w̄ t̄j tmPi cwb i KvhRwi Zv ēv̄x c̄q | wb̄P tmPi cwb i KvhRwi Zv বৃন্দির cōy³mḡn D̄tj L̄Kiv nt̄j v :

1 | cwi gv̄YgtZv cwb tmP w̄ t̄Z n̄te;

2 | mgqgtZv cwb tmP w̄ t̄Z n̄te;

3 | Rngi P̄v̄i w̄ t̄K fv̄t̄j fv̄t̄e AvB̄j t̄ta tmP w̄ t̄Z n̄te;

4 | wētKt̄j ev m̄Ūv̄tej v cwb tmP w̄ t̄Z n̄te;

5 | mw̄i ex dm̄j i t̄P̄tZ `B mw̄i i gāeZP̄-`v̄t̄b cwb tmP w̄ t̄Z n̄te;

6 | gw̄Ui ēb̄U wēt̄ePbv Kt̄i tmP cōvb KītZ n̄te;

7 | tmP bv̄v fv̄t̄j fv̄t̄e tḡv̄gZ Kt̄i tmP w̄ t̄Z n̄te

A_ev cv̄Kv tmPbvj v ^Zv̄i KītZ n̄te;

8 | Dch̄ȳ c̄x̄Z̄t̄Z tmP w̄ t̄Z n̄te;

- 9 | t̄mPbuj v dm̄tj i w̄ t̄K XijyKt̄i ^Zwi Ki t̄Z n̄te;
 10 | Bū t̄i i DrcvZ eÜ Ki t̄Z n̄te;
 11 | ḡwUt̄Z ch̄B ^Re c`v_ c̄qM Ki t̄Z n̄te|

erjyt̄ t̄ki c̄v̄b tm̄P c̄Kí : K.I.Kt̄i Kwl Kt̄Ri m̄eavi Rb̄ erjyt̄ t̄ki mi Kvi AtbK, t̄j v tm̄P c̄Kí M̄Y
 Kt̄i t̄Q | GB c̄Kí , t̄j v c̄w̄b Db̄b teW̄KZK w̄bq̄šZ | thme Gj v Kvj tm̄P c̄Kí Avt̄Q tm̄me Gj v Kvi K.I.t̄Ki v
 mviv eQi AvDk, Avgb, tev̄iv, c̄U, Mg, Avj y kvK-mewR I dj gj Drcv` b Ki t̄Qb | Avi km̄ euḡt̄xKi Y
 Kwl p̄m̄rti PjyKiv nt̄q̄t̄Q | c̄Kí , t̄j vi bvg w̄b̄t̄P D̄t̄j L̄Kiv nt̄j v :

- 1 | M̄2v-Kt̄cvZvP tm̄P c̄Kí (vR.t̄K.c̄R±);
 2 | ewi kvj c tm̄P c̄Kí (v. AvB.vC);
 3 | tfv̄j v tm̄P c̄Kí ;
 4 | VvKi M̄l Mfxi bj Ke tm̄P c̄Kí ;
 5 | Pv̄ c̄j tm̄P c̄Kí (v. AvB.vC);
 6 | ḡuix tm̄P c̄Kí (Gg. AvB.vC);
 7 | c̄veb̄ AvBAvi vW;
 8 | tgNb̄-abv̄t̄M̄ v tm̄P c̄Kí ;
 9 | KYt̄j x tm̄P c̄Kí (t̄K. AvB.vC)

KvR : t̄Zigiv M̄gi dm̄tj i ḡv N̄i t̄L Krfv̄te tm̄Pi c̄w̄bi AcPq nt̄Q | Avi K.I.t̄Ki v AcPq t̄v̄tai Kx
 ēē'v w̄b̄t̄Qb | G w̄l t̄qi Dci c̄Zte` b w̄j L Ges Dc̄'vcb Ki |

bZb kā : ḡv c̄h̄v̄3, ev̄v̄feb, AbjneY

c̄V- 2 : tm̄P c̄w̄Z

w̄v̄fb̄v̄te R̄ḡt̄Z c̄w̄b tm̄P t̄ I qv h̄q | Krfv̄te c̄w̄b tm̄P t̄ I qv n̄te Zv w̄bf̄P Kt̄i R̄gi ḡwUj c̄Kvi, f̄gi
 c̄KwZ, c̄w̄bi Drm, dm̄tj i aib BZw̄i Dci | w̄b̄t̄P Kt̄qKwU tm̄P c̄w̄Zi bvg D̄t̄j L̄Kiv nt̄j v :

- | | | |
|------------------|----------------------|---------------|
| 1 c̄eb tm̄P | 2 byj v tm̄P | 3 eW̄P tm̄P |
| 4 ēv̄Kvi tm̄P | 5 t̄d̄v̄qvi v tm̄P | |

c̄eb tm̄P : GB c̄w̄Zt̄Z mgZj R̄ḡt̄Z w̄ej , Lv̄ ev c̄Kvi nt̄Z Avmv c̄w̄b c̄eb byj vi m̄v̄v̄t̄h̄ tm̄P t̄ I qv
 nq | tm̄Pi c̄w̄b h̄t̄Z Avt̄kv̄t̄ki R̄ḡt̄Z th̄t̄Z bv c̄t̄i tm̄Rb̄ R̄gi Pv̄v̄ t̄K AvBj ev̄t̄Z nq | Gf̄te tm̄P
 w̄t̄j -

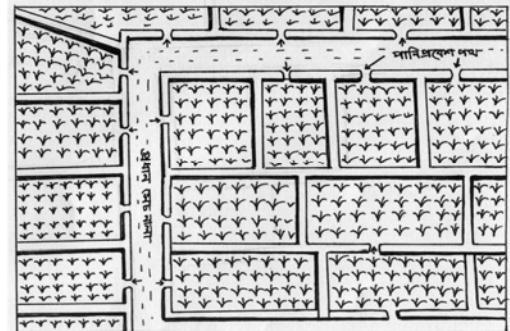
- 1 | Aí mḡt̄q AvA K R̄ḡt̄Z tm̄P t̄ I qv h̄q;
 2 | R̄gi ḡt̄a'' byj vi ` i Kvi nq bv;
 3 | mgZj R̄gi R̄t̄b'' l̄ c̄eb tm̄P KvhRi ;
 4 | k̄j l̄ mgq Df̄qB Kg j̄t̄M;
 5 | t̄v̄cv dm̄j ev km̄ w̄b̄t̄q tev̄v̄ R̄ḡt̄Z c̄eb tm̄P KvhRi nq;
 6 | R̄g h̄w̄ Xijynq Zte AvBj tev̄v̄ c̄w̄b AvUKt̄Z nq |

byj v tmP : byj v tmP c̄Z‡Z R̄gi X̄j Ab̄hvqx f̄gi
eÜi Zv ev DPz w̄Pz m̄tct̄l c̄qyRbxq msL̄K byj v ^Zwi
Kiv nq| AZtci c̄vb byj vi m̄t_ R̄gi G byj v, t̄j vi
m̄sthM K̄i tmP t̄ I qv nq| byj vi Mfxi Zv | ^N° R̄gi
DPz w̄Pz Dci w̄fP K̄i | R̄g mgZj nt̄j byj vi ^N°
teWk n̄te Avi R̄gi X̄j teWk nt̄j ^N° Kg n̄te|
Gf̄te tmP w̄ t̄j -



WP̄ : byj v tmP

- 1 | tm̄Pi c̄wb w̄bqSY mnR nq| জলাবদ্ধতার fq _t̄K bv;
 - 2 | mg - R̄g mgvb f̄te t̄fR̄t bv h̄q;
 - 3 | c̄wb i AcPq Kg nq;
 - 4 | gw̄Ui t̄q Kg nq;
 - 5 | GKB c̄wi ḡY c̄wb Øiv v c̄eb Afc̄l Awak R̄gtZ tmP t̄ I qv h̄q|
- eW̄i tmP : eW̄i tmP c̄Z‡Z R̄gi X̄j | eÜi Zv
Ab̄hvqx dm̄tj i R̄gtK KZK, t̄j v L̄t̄U w̄f³ Kiv nq|
c̄vb byj v t̄t̄K R̄gi L̄E, t̄j t̄Z c̄wb mieivn Kiv nq|
c̄ZiU L̄t̄U c̄vb byj v t̄t̄K c̄wb c̄etki c̄ekc_ AwQ|
GKiu L̄t̄E c̄wb tmP t̄ qv nt̄j Gi c̄ek c_ eÜ K̄i
cieZPL̄t̄E c̄wb mieivn Kiv nq| GB পন্থতিতে AwZwi³
c̄wb w̄b< w̄k̄bi l ēe^-v AwQ| A_ R̄g t̄t̄K X̄t̄j i
w̄ t̄K byj v t̄Kt̄U c̄wb w̄bKvK Kiv nq|

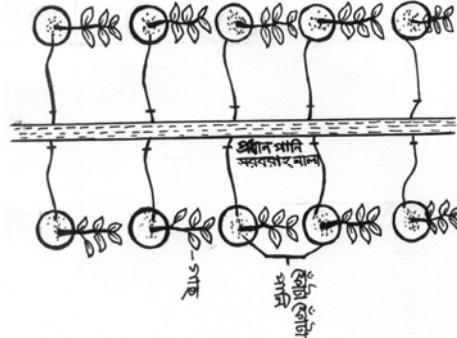


WP̄ : eW̄i tmP

GB পন্থতিতে tmP w̄ t̄j -

- 1 | c̄wb ēe^-v cbv mnR nq;
- 2 | c̄wb i AcPq nq bv;
- 3 | gw̄Ui t̄q Kg nq|

eĒvKvi tmP : GB tmP c̄Z‡Z mg - R̄gtZ tmP bv w̄ t̄q ii ay
th ^'t̄b M̄Q i t̄q̄t̄Q tmL̄t̄bB c̄wb mieivn Kiv nq| m̄avi YZ
ēueI P dj M̄t̄QI t̄M̄oq GB পন্থতিতে tmP t̄ I qv nq| dj
ēM̄t̄bi ḡS ēvei GKiu c̄vb byj v Kiv nq| AZtci c̄Z
M̄t̄QI t̄M̄oq ēĒvKvi byj v Kiv nq Ges c̄vb byj vi m̄t_
m̄sthM t̄ I qv nq|



WP̄ : eĒvKvi tmP

GB c̄Z‡Z tmP w̄ t̄j -

- 1 | c̄wb i AcPq nq bv;
- 2 | c̄wb w̄bqSY mnR|

tdvqiv tmP : dm‡j i Rwg‡Z ej‡oi b‡vq cwb tmP † I q‡K tdvqiv tmP
etj | kwK-me‡Ri t‡‡Z GB c‡‡Z‡Z tmP † I qv nq | Avg‡i †‡k
exRZj vq wKsev Pviv M‡Q SiSwi w‡q th tmP † I qv nq ZvI tdvqiv tmP |

KvR : dm‡j i g‡V cwi`k‡b h‡l Ges † L Kxfvte K‡.‡Ki v tmP
w‡‡Qb | K‡.‡Ki †‡‡Am K‡i tR‡b b‡l Zviv te‡iv avb, kwK-me‡R
| Avg‡M‡b Kxfvte tmP w‡‡Qb |

bZb k‡ : tmP, c‡eb tmP, bvj v tmP, eW‡i tmP, eE‡Kvi tmP



WP† : tdvqiv tmP

cW- 3 : cwb w‡®<‡k‡bi avi Yv | D‡i K"

cwi‡gZ cwb tmP thgb dm‡j i Rb" fv‡j v t‡‡Z cwb AwZvi³ cwb dm‡j i Rb" LyB ¶‡ZKi | dm‡j i Rwg t‡‡K AwZvi³ cwb AcwiY Ki‡KB cwb w‡Kv‡ e‡j | dm‡j i Rwg‡Z R‡g _vKv cwb Aw‡Kv‡ dm‡j i Rb" ¶‡ZKi | aw‡bi Rwg‡Z cwb R‡g _vKv DcKv‡ ntj | R‡g _vKv cwb tc‡c M‡Q mn‡ Ki‡Z cu‡i bv | GK‡U w‡‡‡ mg‡qi te‡k dm‡j i Rwg‡Z M‡Q‡ t‡‡Mv‡q cwb R‡g _vK‡j M‡Q gviv hvq | Avevi cwb R‡g _vKv dm‡j i Rwg nt‡Z cwb w‡Kv‡ bv Kiv ch‡-‡mL‡b exR ecb Kiv hvq bv, Pviv t‡‡vY Kiv hvq bv Ges M‡Q‡ j w‡‡bv hvq bv | my‡‡‡ cwb‡i Afve ntj M‡Q cwb w‡‡Z nt‡e | Rwg‡Z ej‡oi cwb R‡g _vK‡j wKsev tm‡Pi cwb te‡k ntj AwZvi³ cwb ZvovZwo m‡i‡q tdj‡Z nt‡e |

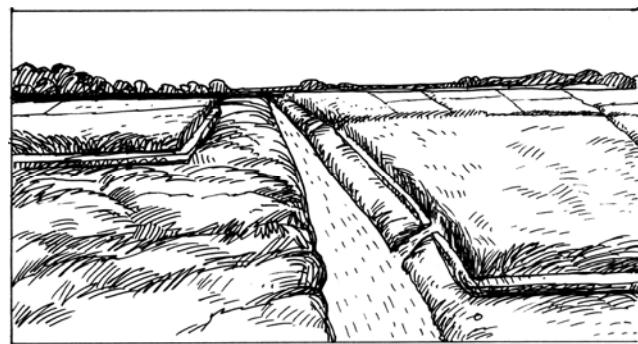
AwZvi³ cwb‡i ¶‡ZKi w‡‡K : AwZvi³ cwb dm‡j i t‡‡‡Z R‡g _vK‡j K‡ K‡ ¶‡Z nq w‡‡P D‡j L‡Kiv ntj v :

1. মাটিতে ফসলের শিকড় এলাকায় বায়ু চলাচলের বিষ্ণু ঘটে;
2. পানি জমে থাকার ফলে মাটির ফাঁক বন্ধ হয়ে যায়। ফলে গাছ মরে যায়;
3. পানি জমে থাকলে শিকড় এলাকায় অক্সিজেনের অভাব ঘটে। এর ফলে অনেক রোগ দেখা যায়;
4. গাছের শিকড় এলাকায় পানি জমলে শিকড় বিস—ার লাভ করতে পারে না। ফলে গাছের বৃদ্ধি ব্যাহত হয় কিংবা গাছ মরে যায়;
5. উপকারী অণুজীবের বৃদ্ধি ব্যাহত হয়। অন্যদিকে রোগ সৃষ্টিকারী অণুজীবের সংখ্যা ও সংক্রমণ বাড়ে;
6. পুষ্টির গ্রহণযোগ্যতা কম হয়।

cwb w‡Kv‡ki D‡i K" :

cwb w‡Kv‡ki D‡i K" ntj v-

1. gw‡‡Z evqyPj vPj evov‡bv;
2. M‡Q‡ gj‡K KvhRix Kiv;
3. DcKvix AYR‡tei Kvh‡g বৃদ্ধি Kiv;
4. gw‡‡i Zv‡gv‡v mn‡b‡xj gw‡‡vq Avbv;
5. gw‡‡Z †‡Rv‡ Avbv |

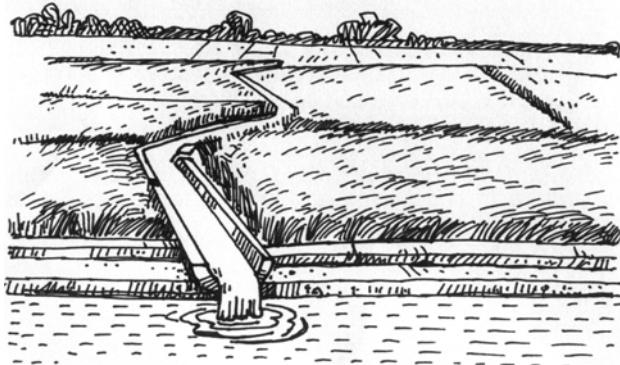


WP† : bvj v পন্থতি 0viv cwb w‡®<k‡

cwb w̄bKv̄ki ēē'v :

cwb w̄bKv̄ki ēē'v w̄bḡē:

1. Kwl bv̄j v̄ Øvi v̄;
2. c̄t̄x̄ui m̄nv̄f̄h̄;
3. cv̄kv̄ tm̄P bv̄j v̄ ^Z̄wi K̄ti ;
4. Aw̄Z̄wi³ c̄w̄bi Dr̄mḡt̄L erā w̄ fq̄;
5. c̄w̄bi M̄w̄Z c̄wi eZ̄Ø bv̄j v̄ ^Z̄wi K̄ti |



MP̄ : cv̄kv̄ tm̄Pbv̄j v̄ Øvi v̄ cwb w̄b®<vk̄b

Kv̄R : t̄Z̄ḡȳt̄ i t̄c̄t̄c ēM̄t̄b h̄v̄l | M̄ZKv̄t̄j i ēōt̄Z ēM̄t̄b Āt̄bK cwb R̄t̄g Āt̄Q | m̄Z̄j cwb Ac̄m̄v̄i t̄Yi
ēē'v Ki |

bZb kā : cwb w̄bṣ̄v̄kb, cwb w̄bKv̄k, gw̄ŪZ ð̄t̄R̄v̄ Av̄bv̄, AYR̄xe, w̄k̄ko Gj v̄Kv̄

cW-4 : gw̄t̄Qi c̄K̄ti i cwb tk̄v̄ab

c̄K̄ti gw̄Q Pv̄l Aw̄Z c̄wiPZ Kwl cōy³ | GB cōy³i mdj ēenvi ZLbB m̄p̄e hLb c̄K̄ti i c̄wi tek gw̄t̄Qi Rb̄
-̄ȳ-̄Ki Ges b̄n̄d̄c̄Z m̄n̄q̄K nq̄ | c̄K̄ti i c̄wi tek ej̄t̄Z Rj R Aw̄M̄Qḡȳ³ -̄r̄ cwb w̄k̄o c̄K̄ti t̄K̄ tev̄S̄q̄ |
c̄K̄ti t̄t̄K gw̄t̄Qi f̄t̄j v̄ Drc̄i` b t̄c̄t̄Z n̄t̄j c̄K̄ti i c̄wi tek Z̄v̄ c̄w̄bi , Ȳ, Y i P̄v̄ Kiv L̄eB Ri w̄i |

bv̄v̄ Kv̄t̄Y c̄K̄ti i cwb `w̄l Z n̄t̄Z c̄t̄i | Av̄i cwb `w̄l Z n̄t̄j B Ḡt̄Z Aw̄ t̄R̄t̄bi Af̄v̄e N̄t̄U Ges cwb t̄Z
w̄el̄p̄q̄ t̄ Lv̄ t̄q̄ | t̄iM̄-R̄xeȲj | c̄t̄f̄t̄e N̄t̄U | d̄t̄j gw̄Q gw̄v̄ h̄q̄, KI.K Aw̄_R̄f̄t̄e P̄w̄ZM̄O- nq̄ Ges
c̄wi tekI `w̄l Z nq̄ | Kv̄t̄RB gw̄Qt̄K c̄q̄v̄Rb̄x̄q Aw̄ t̄R̄b miei v̄t̄ni Rb̄ Ges w̄el̄p̄q̄ | Ab̄v̄b̄ t̄iM̄-R̄xeȲ
t̄t̄K ēP̄t̄b̄v̄ Rb̄ c̄K̄ti i cwb tk̄v̄ab Kiv `i Kv̄i | w̄b̄t̄P c̄K̄ti i c̄w̄bi , Ȳ, Y b̄o n̄l q̄i Kv̄i Y | tk̄v̄ab
c̄w̄Z Aw̄t̄j v̄P̄b̄v̄ Kv̄i n̄t̄j v̄ |

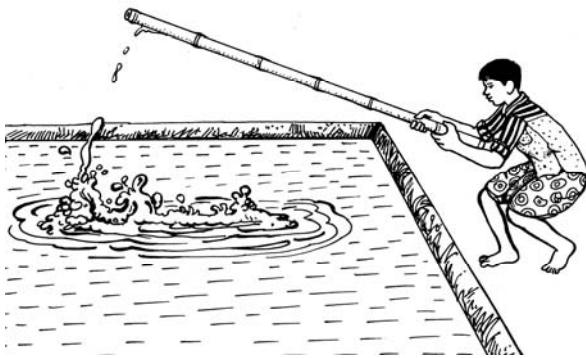
1 | `t̄xf̄Z Aw̄ t̄R̄t̄bi Af̄v̄e : `t̄xf̄Z Aw̄ t̄R̄t̄bi Af̄v̄e c̄K̄ti i GK̄U m̄v̄avi Y mḡm̄v̄ | m̄K̄t̄j ev̄ w̄eK̄t̄j
A_ev̄ w̄ t̄bi th̄ t̄K̄t̄b̄v̄ mḡt̄q̄, tḡN̄j v̄ w̄ t̄b Ges t̄K̄t̄b̄v̄ t̄K̄t̄b̄v̄ mḡq̄ ēōi ci c̄K̄ti i cwb t̄Z Aw̄ t̄R̄t̄bi
Af̄v̄e N̄t̄U | Gi m̄ȳūo j P̄Y n̄t̄j v̄ Aw̄ t̄R̄t̄bi Af̄v̄t̄e gw̄Q c̄w̄bi Dci t̄f̄t̄m L̄e L̄q̄ | s̄aš-n̄t̄q c̄w̄bi
Dci f̄t̄M t̄N̄v̄i t̄d̄i v̄ K̄ti | Aw̄ t̄R̄t̄bi t̄ek Af̄v̄e n̄t̄j gw̄Q gīt̄Z i i "K̄ti | Gm̄ḡq KI.t̄K̄i P̄w̄Zi m̄p̄eb̄v̄
t̄ Lv̄ t̄q̄ | c̄K̄ti Aw̄ t̄R̄t̄bi Af̄v̄e N̄t̄j w̄b̄t̄P Dij w̄Z cōy³ M̄oY Kit̄j mdj cv̄l q̄v̄ h̄q̄ |

K) cKtii muZvi tKtU Aw tRtbi Afve `i Kv :
 cKtii cwb LyeB kvS- vK | GK -'vbi cwb
 Ab -'vfb mAvj b nq bv | dtj cwb tZ Aw tRb
 `erfZ nq bv | GB Ae -'vq cKtii muZvi KvUv
 e'e -'v Kitj Aw tRtbi Afve t_tK cwi tY
 cwl qv hvq | muZvi KvUv Rb -'Wktv -
 Wktv i cKtii bwg tq t`l qv hvq |



WP̄ : cKtii muZvi KvUv

L) euk 0viv cKtii cwb tZ AwNvZ Kv : euk 0viv
 cKtii kvS- cwb tZ AwNvZ Kitj cwb tZ
 tZyj cvo nq | tXD Drcbøenq | dtj evZvtmi
 Aw tRb GtZ `erfZ nq | mgm v `i nq |
 µgMZ euk w tq AwNvZ Kti cKtii GK cvo
 t_tK Ab -'cvo pYtS-tcQutj mdj cwl qv hvq |



WP̄ : euk 0viv cKtii cwb tZ AwNvZ Kv

2| cKtii cwb tNvj v nI qv : wewfbækvi tY cKtii
 cwb tNvj v nq | tly gwi Kyv cKtii cwb tNvj v
 Kti | Averi cKtii cvo atq eiöi cwb ctek
 Kti I cwb tNvj v nq | µgMZ KtqKv b eó ntj PZtR t_tK eiöi cwb ctek Kti Ges cKtii cwb
 AwAK tNvj v nq | cKtii tNvj cwb tkatbi Rb -'wtPi cby3 MøY Kv hvq |

K) kZK cöZ 1-2 tKwR Pb cöqm Kti tNvj cwb w_Ztq -'vfeK Kv hvq |

L) kZK cöZ cKtii cwb 30 tmig Mfxi Zvi Rb -'240 Møg wdUvKvi cöqm Kti tNvj cwb w_Ztqv
 hvq |

M) metP tq mnR cby3 ntj v kZK cöZ 12 tKwR Lo cKtii cwb tZ iLv |

3| cKtii cwb AøZ I Pvizj : cKtii cwb tZ AøZ ev Pvizj MøYthM grv v ntj v 6.5 t_tK 8.0 |
 cKtii cwb tZ AøZ ev Pvizj Kg-teuk ntj grv tMµvS-nq | thgb Kg ntj grvQi dj Kv AwµvS-nq;
 Avi teuk ntj grvQi Lv` Pvn`v Ktg hvq Ges grvQ `je ntq cto | dtj grvQ mntrB tMµvSÍ ntq
 cto | grv v 7 Gi Kg ntj AøZ evto Ges Gi teuk ntj Pvizj evto | cKtii cwb AøZ ev Pvizj
 -'vfeK grv vq Avbri Rb -'wtPi cby3 cöqm Kti tZ nte |

K) Pb cöqm : AøZ Pvizj grv v Kg ntj kZK cöZ 1-2 tKwR Pb cöqm Kti tZ nte |

L) tZv j ev mwRbv MøQv Wj e'envi : AøZ Pvizj grv v teo tMøj cKtii cwb tZ v j ev mwRbv
 MøQv Wj 3-4 w b wfRtq iLv |

4| c̄mbi Dci meR k̄vIjvi -i : c̄Ktii c̄mbtZ meR k̄vIjvi -i c̄toI c̄mbi ,Y, Y bō nq| GtZ
c̄mbi is Nb meR nq| d̄tj ḡtQi -v̄fweK Pj̄tdivi ēv̄NvZ NtU| AZtci ḡQ c̄mbi Dcwi f̄tM Lwe
Lvg| c̄mbi GB Aē'v̄ t̄tK ev̄Pvi Rb̄ w̄tP Dv̄j w̄Z c̄b̄y³ ēenvi Kiv th̄Z c̄ti |

K) Z̄tZ ev̄ Kcvi mv̄ t̄dU c̄b̄y³ : kZK c̄tZ 12-15 Mö Z̄tZ ev̄ Kcvi mv̄ t̄dU c̄b̄y³ Kiv |

L) Pb c̄b̄y³ : kZK c̄tZ 1 t̄KwR Pb c̄b̄y³ Ktii l̄ m̄d j̄ c̄vI q̄v h̄vq |

KvR : Mögi c̄Ktii t̄jv Ntj i t̄L| Avi t̄L Kxv̄te c̄Ktii c̄mb `w̄Z n̄tQ| `w̄Z c̄Ktii ḡQ, t̄jv ev̄Pvi
Rb̄ Kt̄Kiv Kx ēē'v̄ w̄tQb Zv̄ t̄L Ges t̄kL |

bZb kā : Aw̄ t̄Rb, c̄mb t̄kvab, t̄Nv̄j v̄ c̄mb, w̄_Zv̄t̄bv, w̄dUw̄Kvi |

କୃଷିକ୍ଷେତ୍ରେ ବଂଶବୃଦ୍ଧିତେ ସ୍ୟବ୍ହତ କୃଷି ପ୍ରୟୁକ୍ତି

ପାଠ- ୧ : କୃଷିକ୍ଷେତ୍ରେ ବଂଶବୃଦ୍ଧିତେ ବୀଜ ଉତ୍ପାଦନ ପ୍ରୟୁକ୍ତି

exR Drcv̄` b GKwU c̄b̄y³MZ KgR̄E| exR Drcv̄` t̄bi c̄g Kiv n̄tjv exRi ,Y, Y msi ¶Y Kiv| ZvB KwI
weÁvbxi v̄ Aweivg dm̄tji Rv̄tZi ବଂଶବୃଦ୍ଧି | ,Y, Y msi ¶tYi ēv̄c̄ti w̄P̄S̄f̄v̄ebv KītQb Ges bZb bZb
c̄b̄y³i ms̄thwM KītQb| exR Drcv̄` b c̄b̄y³ ej̄tZ ḡb̄m̄p̄Z exR Drcv̄` b, ēē'v̄cbv | msi ¶YtK tevSvq|
ḡb̄m̄p̄ubm̄exR Drcv̄` t̄bi Rb̄ weÁvbxi v̄ w̄tP Dv̄j w̄Z kZ̄t̄gn̄ tḡtPj̄vi c̄v̄gkW̄ t̄qtQb |

1| exRi wēi ×Zv̄ msi ¶Y : exRi c̄w̄Pw̄Z Gi Rb̄t̄m̄t̄ t̄tK| AZGe, exR Drcv̄` t̄bi mgq j¶ īL̄tZ n̄tē
thb Av̄KwI¶Z exRi mv̄_ Ab̄ Rv̄tZi exRi w̄gkY bv̄ NtU |

2| exR dm̄tji c̄_KxKiY : exR dm̄tji R̄ḡtK AexR dm̄tji R̄ḡ t̄tK w̄b̄v̄c̄` `t̄Zj īL̄v̄ b̄v̄B
c̄_KxKiY| w̄b̄v̄c̄` `t̄Zj ēv̄q īL̄v̄ AtbK mgq m̄t̄q̄b̄v̄| ZvB exR dm̄tji Pvi w̄tK ēw̄j̄Bb
w̄nt̄m̄te GKB dm̄tji Aw̄Zw̄i³ Pvi KītZ nq| GtZ cici w̄q̄tbi m̄t̄q̄b̄v̄ _t̄K bv̄ |

3| exR t̄kvab : exR t̄iM enb KītZ c̄ti | tm̄Rb̄ exR R̄ḡtZ ect̄bi Av̄tM t̄kvab Ktii w̄tZ nq| exR
t̄kvab Kiv Rb̄ AtbK JIa ēenvi Kiv nq| thgb, Möb̄mg-Gg, w̄fUw̄f̄ -200 BZ̄w̄ |

4| exR ecB c̄xw̄Z : exR mgqḡtZv̄ ecB KītZ n̄tē| Avi exR ect̄bi mgq R̄ḡtZ ht̄_ó īm̄_v̄Kv̄ c̄b̄y³Rb̄|
m̄avi YZ exR dm̄j w̄b̄` t̄tZj v̄B̄t̄b ecB ev̄ t̄v̄c̄Y Kiv f̄t̄j̄v̄| j̄v̄B̄t̄b exR ect̄bi Rb̄ exR ecBh̄ši
ēenvi Kiv th̄Z c̄ti |

5| t̄iMs : exRi Rv̄tZi wēi ×Zv̄ ī¶v̄i Rb̄ t̄iMs GKwU Riw̄i Kv̄R| t̄iMs A_¶t̄Q Av̄KwI¶Z exRi M̄Q
Qv̄o Av̄M̄Qv̄m̄ Ab̄ th̄Kv̄t̄b Ab̄KwI¶Z M̄Q R̄ḡ t̄tK w̄Komm Zt̄j td̄j̄v̄| Ab̄KwI¶Z M̄Q dj̄ Av̄v̄i
Av̄MB t̄iMs Kiv f̄t̄j̄v̄ |

6 | AvSt cwi PhP:

1. exRi Rig AwQvg³ iLtz nte;
2. h_mgtq KxU-cZ½ `gb Ki‡Z nte;
3. cwi gYgtZv cwib tmP w‡Z nte |

7 | exR dmj KZØ : exR hLb cwi cYFte ctK | ejo-ev` tj Zi m‡ebv _vtK bv ZLbB exR dmj KZØ Ki‡Z nq | exR dmj KiUvi ci cwi "QbentZ nte | exR hvtZ KxU-cZ½ AwuS-Ki‡Z bv ctI tmRb" gij w_qb t^cOKiv th‡Z ctI |

8 | exR i Kvibv I msi ¶Y : exR Ggbfite iK‡Z nte hv‡Z exR AwZwi 3 Av`Zv bv _vtK | thgb, avtbi exR kZKiv 12 fM Av`Zv _vtK ctI | fv‡j vfite iKvibv ci exR msi ¶Yi gwU A_ev avZe ctI iLtz nte | ctI AekB i^®, cwi "QbentZ nte | exR hvtZ KxU-cZ½ AwuS-Ki‡Z bv ctI tmRb" gij w_qb t^cOKiv th‡Z ctI |

gvbm¤Z exRi Drcv` b :

gvbm¤Z exR wZb avtC Drcv` b Kiv nq |

- h_i- 1) tg§j exR
 2) wfWÉ exR I
 3) cZwqZ exR |

KIK cZwqZ exR Qov Ab" exR e^envi Ki‡eb bv| h` tKD dmj
 Drcv` tb tg§j exR ev wfWÉ exR e^envi Ktib Zte dmj fv‡j bv
 nlqvi AvksKv teik _vtK | tKbbv A‡bK cix¶v-wibix¶vi ciB
 wetkIAiv cZwqZ exR e^envi i Ab‡gr` b cÖvb Ktib| wbtP exR
 Drcv` tbi avc tjv Avtj Pbv Kiv ntjv |

tg§j exR : mKj eskmZ , Yv, Y i ¶v K‡i th exR Drcv` b Kiv nq ZvtK tg§j exR etj | DvM¢ cRbb weAvbxi v
 ci¶v Kivi ci hLb tKvibv dmj i RvZtK Lp fv‡jv gtB Ktib ZLb tm exRtK tg§j exR etj | tg§j exR
 mvavi YZ cwi gYgtY Kg Drcv` b Kiv nq | G exR weµthM` bq |

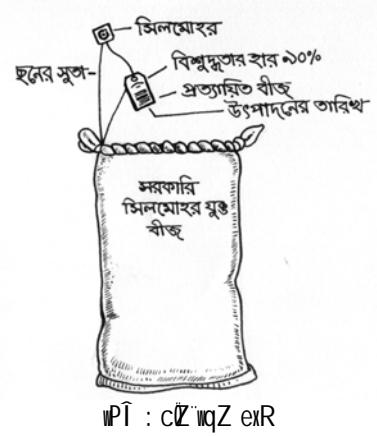
wfWÉ exR : tg§j exRi mKj eskmZ , Yv, Y i ¶v K‡i exR Ab‡gr` b ms^-vi wbtP cwi teik teik cwi gY
 Drcv` Z exRtK wfWÉ exR etj | wfWÉ exRI KI‡Ki wbtKU weµ Kiv nq bv|

cZwqZ exR : wfWÉ exR n‡Z exR Ab‡gr` b ms^-vi wbtP cwi teik exR Drcv` tbi wbtP tg‡b th
 exR Drcv` b Kiv nq Ges gYgtV e^envi i Ab‡gr` b t^qv nq ZvtK cZwqZ exR etj | GB exR KI.K‡` i
 e^envi i Rb" Ab‡gr` b ms^-v Ab‡gr` b cÖvb K‡i | cZwqZ exR KI.K‡` i wbtKU weµ Kiv nq |

KvR -1: KwL DbqB Ktcfi kb তালিকাবন্ধ KI‡Ki Lvgti hvL Avi t`L Zviv gvbm¤Z exR Drcv` tbi
 kZ, t^q‡b exR Drcv` b Ki‡Q wKbv |

KvR - 2: tZvgvi KwL KwP‡Ki m‡_ cwi Kiv bv K‡i me QvI wgtj KwL M‡el Yv cZÔtB hvL Avi t`L tg§j
 exR I wfWÉ exR Kxfvte Drcv` b Ki‡Q |

bZb kā : exRi wei xZv, c_KxKiY, exR tkvab, tiwMs, tg§j exR, wfWÉ exR, cZwqZ exR |

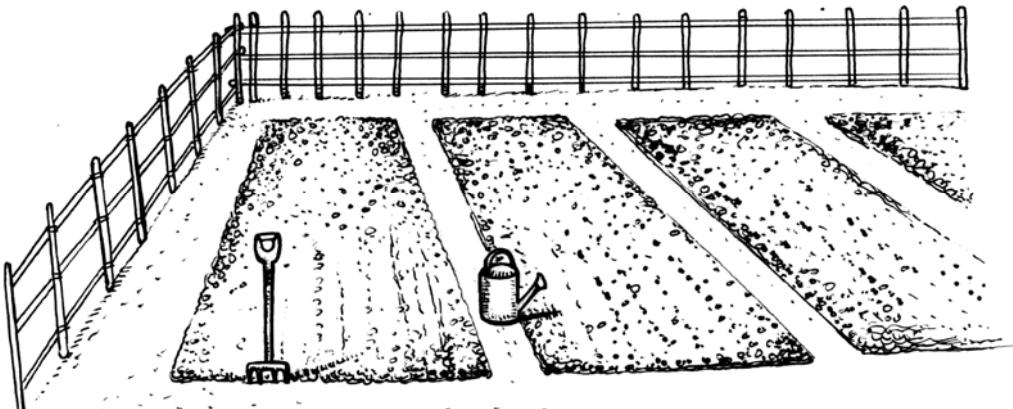


CW- 2 : exR n‡Z Pvi v Drcv` b

exR t‡K Pvi v Drcv` bbi Rb` c‡gZ exRZj v ^Zwi Ki‡Z n‡e | kxZKv xb meiRi Rb` Awkþ-KwZR gvtm Avi MþSKv xb meiRi Rb` dvþþ-`P† gvtm exRZj v ^Zwi Ki‡Z n‡e | AvMg dmþj i Rb` Avi I GKgv AvM t‡K exRZj v ^Zwi Ki v th‡Z cv‡i |

UþgtUv, dj Kic, eavKic, te, b, giv P, cBkvK, tcic BZ w` exR c‡tg exRZj vq tdtj Pvi v Drcv` b Ki‡Z n‡q | Pvi vi eqm Pvi mBvn n‡Z GKgv eqm n‡j gj RngþZ tivcY Ki v n‡q | exRZj vi AvKvi 3 × 1 eMgUv n‡j fv‡j v n‡q | Gi e GKvU exRZj vq 10-12 Mþ exR ` i Kvi |

exRZj vi c‡q 20 tmig mbþP BU fv0v ev myWk w` tq Gi Dci Deþ gvwU DRzKt i w` Z n‡e | tLqj i vL‡Z n‡e thb exRZj v gj Rng n‡Z Kgct 10 tmig DRþZ w` K | exRZj vi gvwUi mv‡_ cPv tMvei | 10 Mþ BDw qv mgwktq w` Z n‡e | AZtci mveavb 2 tmig Mfxt i exR QwUþq Z³vi mvnþh Dcw fvw mgvb Kt i w` Z n‡e Ges gvwU tPtc w` Z n‡e | Gici exRZj vq c‡Zw` b mbqwgZ cwb w` Z n‡e | exRZj vq Svw w` q cwb t` I qv fv‡j v | tKbbv GþZ eþoi tduvi gþZv mgvb fvte cwb t` qv hvq | vZb Pvi w` bti gta Pvi tei n‡e | tLqj i vL‡Z n‡e thb exRZj v i wKtq bv hvq | thme exþRi ZK cj "tmme exþRi Pvi tei n‡Z Avi I KþKw` b mgq j Mþte | cj "ZþKi exR 24-48 NÈv wfþRþq ti L exRZj vq elþþj ZvovZwo Pvi tei n‡e | tiv` I eþo t‡K Pvi vK i Pvi Rb` exRZj vi Dci QvDwbi eþe` v Ki‡Z n‡e |



W† : GKvU Av` k‡exRZj v

eqm evovi mv‡_ Pvi vi Zvc mn` PþgZvI evþo | Zte gvwUi Av` Zv Wk i vLvi Rb` Svw w` q tmP w` Z n‡e | weþKj tejv tmP t` I qv fv‡j v | AZtci gvwU hLb k³ n‡e ZLb mbomb w` q gvwU Avj Mþ Kt i w` Z n‡e |

exRZj vq tcvKvgvko I ti wMvjvB AvþgY Ki‡Z cv‡i | tcvKvg AvþgY Ki v AvþMB Kwl KgRZA cvgkþþg eþe` v mbþZ n‡e | Zte mvavi Yfvte 10 wj vni cwbþZ 4 Pv PvþP gþj w_qb-57 ,tj exRZj vq wQUþZ n‡e | Avi tKvþbv Pvi v tivMvavši n‡j Zv Ztj gvwUþZ c‡Z tdj þZ n‡e ev cþoþq tdj þZ n‡e |

dj Kic, eavKic Gme meiRi Pvi gj RngþZ tivcYi cþeþZxq exRZj vq tivcY Ki v fv‡j v | Pvi eo n‡Z vKtj Svw i cwbþZ 10 Mþ BDw qv mbþq `þY Kt i exRZj vq wQUþj Pvi v ^v` veb n‡q | exRZj vq Av` Zv msj PþYi Rb` LoKv vewQþq w` Z n‡e | Pvi vi eqm 4-5 mBvn n‡j gj RngþZ tivcY Ki‡Z n‡e |

Pri তZyj vi cō' wZ mntmte cōgZ SiSw i mnvth' tmP w̄ tq exRZj v w̄ R̄tq wb̄Z n̄te | AZtci Pri তZyj vi Rb̄ Ljwic | Pri entbi Sioi e'e-'v KifZ n̄te | Pri তZyj vi Dch̄B mgq n̄tQ weKj tej v | Pri mveatb Zj t̄Z n̄te hv̄Z w̄Ko w̄Qto bv hvq | Pri তZyj v ntj w̄KgtZv ciwenb Kti ^Zwi Kiv gj R̄gtZ wb̄Z n̄te | Pri তivctYi mgq Ljwci mnvth' MZKti exRZj vq thfvte Pri w̄Qj w̄K tmfvteB M̄ZQivcY KifZ n̄te |

KvR : তZyjvi emoi ct̄k 3x1 eM̄gutti i GKwU R̄qM̄ w̄bePb Ki |

1. tKv`v j w̄ tq w̄bePZ -'tbi gwU SiSjv Kti PvI Ki |
2. exRZj vq 20 tmig wb̄P BuFvOv mjwK w̄ tq Gi Dci DeP gwU DPzKti `vI |
3. exRZj v gwU t̄_tK Kgc̄tP 10 tmig DPzZ n̄tZ n̄te |
4. cPv tMveti i mv̄t_ 10 M̄g BDwivq w̄gik̄tq exRZj vi Dci w̄Qutq `vI Ges w̄gik̄tq `vI | gwUi 2 tmig Mfx̄ti exR w̄Qutq `vI |
5. cōZK w̄b exRZj vq SiSw w̄ tq cm̄b `vI | 3-4 w̄ tbi gtāB Pri tei n̄te |
6. hZw̄b Pri gj R̄gtZ tivctYi Dch̄B bv n̄te Zzw̄b GB ct̄Vi wb̄t R̄gtZv exRZj vi hZabvI |

bZb kā : Pri Drct̄b, exRZj v, SiSw, w̄Zxq exRZj v, ḡv j w̄qb-57, QvDw̄b, c̄j "ZfKi exR |

উদ্ধিদ ও প্রাণীর বংশবৃন্দি

পাঠ-১ : উদ্ধিদের অঙ্গজ বংশবৃন্দি

D̄w̄t̄i esk ēw̄t̄Z c̄h̄ȳ3 i Ae`vb AfbK | c̄h̄ȳ3 c̄Pxb t̄n̄K w̄Ksev AvajbK t̄n̄K, Pvj y c̄h̄ȳ3 i tKv̄bwUi Ae`vbA A~'Kvi Kiv hvq bv | wb̄P D̄w̄t̄i esk ēw̄t̄Z c̄h̄ȳ3 i Ae`vb Zt̄j ai v n̄tj v |

D̄Pdj bkxj R̄t̄Zi exR : D̄w̄t̄i esk ēw̄t̄Z c̄g th c̄h̄ȳ3 i K_v ej t̄Z nq Zv n̄tQ D̄Pdj bkxj R̄t̄Zi exR | evsj v̄t̄k KwI M̄teI Yv c̄Z̄ob KvKmeiR, Mg, m̄i I v, Avj yBZ w̄ dm̄tj i AfbK Db̄z Ges D̄Pdj bkxj R̄t̄Zi D̄w̄eb K̄t̄tQ | KvKmeiRi gtā UtgtUv, te_b, jvD, dj Kwc, euavKwc, gwP Gm̄tei bv̄g Dt̄j L̄hM̄ | Gme Db̄z R̄t̄Zi meuiRi exR KI.tKiv ct̄"Qb Ges ēenvi KifQb | M̄sKutj UtgtUvi PvI KifZ ct̄"Qb | evi gmevci te_tbi PvI KifQb Ges mviv eQi jvD̄t̄qi PvI KifQb | Avi KifZv Kx | Gi dt̄j KI.tKiv f̄t̄j v Avq KifQb |

evsj v̄t̄k avb M̄teI Yv c̄Z̄ob G ch̄s-IwUwU D̄Pdj bkxj av̄bi RvZ D̄w̄eb K̄t̄tQb | Gi mv̄t_ Avi I av̄bi RvZ h̄B K̄t̄tQ evsj v̄t̄k AvYwE KwI M̄teI Yv c̄Z̄ob | D̄Pdj bkxj av̄bi R̄t̄Zi Ae`vb mntmte ej v hvq evsj v̄t̄k GLb c̄q L̄t̄v̄t̄ -^qsm̄uȲ w̄b̄P K̄t̄qKwU av̄bi R̄t̄Zi bv̄g Dt̄j L̄Kiv n̄tj v |

AvDk : we Avi 9 (m̄dji), we Avi 14 (M̄Rv), we Avi 16 (kvnx evj vg) BZ w̄ |

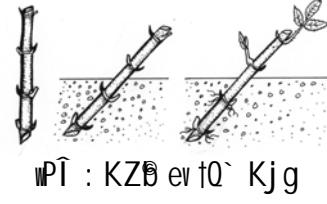
Avgb : we Avi 11 (gȳ3v), weavb 30, weavb 33, weavb 40, weavb 44 BZ w̄ |

teviv : weavb 28, weavb 29, weavb 36, wevBwewW-1, weavb 50 (evsj vg w̄Z) BZ w̄ |

A½R Pri Drct̄b : c̄q me M̄QB exR w̄ tq eskūt̄vi Kti | Z̄e exR Qvovl M̄tQi w̄wfb̄eA½ w̄ tq Pri Drct̄b Ges eskūt̄vi Kiv m̄e | A½R Pri ēenvi KwI t̄Z h̄M̄šKvix ciweZ̄ Ḡtb̄Q Ges G t̄_tK KI.tKiv AtbK jvfev n̄tQb | A½R Pri Drct̄b c̄h̄ȳ3 i gtā KZ̄ er t̄Q` Kjg, w̄j Kjg, w̄j Kjg,

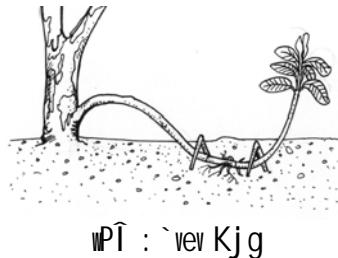
tRvo Kj g Ges tPvL Kj g c̄ñb | A½R Pviv c̄ñb 'eñkó" n̄jv exR weí ññ ḡZ, Y, Y enb K̄ti | w̄tP K̄qKwU A½R Pviv Drcv` tbi cwi wPwZ t̄ I qv n̄jv | Avi Pviv MwQ t̄_tK ZwoZwo dj tc̄Z n̄j A½R Pviv Drcv` b c̄ñwZi Rvo tbB |

1) KZD ev tQ` Kj g : kvLv, gj, c̄ñZv BZ'w` ḡZMwQ n̄Z weí QbæK̄ti Dch̄ñ ḡa"g I c̄ñi t̄ek t̄_tL Pviv Drcv` b K̄tK KZD ev tQ` Kj g eñj | G c̄ñuqiq esk weí LpB mnR | tMujvc, t̄ey BZ'w` dj I dj M̄QoI t̄P̄t̄ GB c̄ñy³ eñenvi Kiv nq |



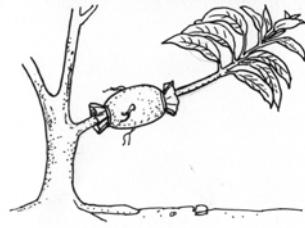
w̄t̄ : KZD ev tQ` Kj g

2) `nev Kj g : c̄ñt̄g ḡZMwQi gwJi w̄tK̄U Aew'Z kvLv w̄tP bw̄ḡt̄q `B w̄tUi ḡSLvbi evKj KvUtz n̄te | AZtci KvUv Ask gwJtZ Pviv w̄tZ n̄te | w̄tB mgq ci KvUv Ask t̄_tK w̄tKo MRvte Ges bZb Pviv n̄te | MRvbi Ask t̄K̄U 2-3 mBvn ci mearb gwJmn D̄Wtq Ab̄t̄ t̄vcY KītZ nq | t̄ey tcqiv, tMujvc, w̄j Pz, m̄d̄v BZ'w` M̄tQ `nev Kj g Kiv nq |



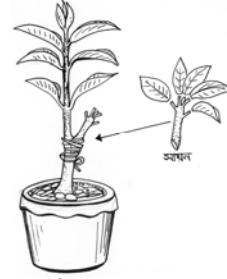
w̄t̄ : `nev Kj g

3) ,w̄t Kj g : ,w̄t Kj g LpB Rbwic̄ñ | ,w̄t Kj g Kiv Rb̄ tc̄wYtji ḡtZv Wj w̄bePb KītZ n̄te | avivtjv Qw̄i w̄tq Wtj i 4-5 tm̄g tMuj K̄ti Qv̄i Zj̄tZ n̄te | Gici t̄_w̄tK gwJi m̄t_cPv t̄Mvei w̄guk̄tq tc̄_Zvi K̄ti Wtj i Qj̄ t̄Zjv w̄tq c̄ñj c̄ñtZ n̄te | Zvici c̄ñw_b w̄tq tc̄P̄tq `B ḡv_wq fv̄tjv K̄ti ewatZ n̄te | 3-4 mBvn t̄Mv̄i m̄v̄i w̄tKo MRvte hv ewni t̄_tK t̄_Lv hvq | w̄tKo fv̄tjvfv̄te MRv̄tj Wj w̄tK t̄K̄U Ute j w̄M̄tq Qw̄qiq iL̄tZ n̄te | K̄qKw` b ci M̄tQ c̄ñZv MRvte I eM̄t̄b j w̄M̄t̄bvi Dch̄ñ n̄te |



w̄t̄ : ,w̄t Kj g

8) জোড় কলম : জোড় কলমের দুটি অংশ (১) স্টক ও (২) সায়ন। যে গাছের সঙ্গে জোড়া লাগানো হবে সে গাছটিকে স্টক বলে। যে অঙ্গ স্টকের সঙ্গে লাগানো হবে তাকে বলা হয় সায়ন। স্টক ও সায়নের জোড়া লাগানো পদ্ধতিকে জোড় কলম বলে। জোড় কলমের মাধ্যমে বর্তমানে আম, তেজপাতা, সফেদা প্রভৃতি গাছের বংশ বি-রি'র করা হচ্ছে।



w̄t̄ : tRvo Kj g

KvR : tMuj v̄ci GKwU Wj KvU Ges Qw̄qih̄ñ -'t̄b c̄ñZ `v̄l | t̄_Lte 15 w̄tbi ḡta" B bZb Pviv w̄t̄m̄te Ab̄t̄ t̄vcY KītZ c̄ñt̄e |

bZb kā : mdjv, MwRx, kwñx Kj g, ḡñv, esjvgwZ, KZD ev tQ` , `nev, ,w̄t, tRvo Kj g |

পাঠ-২ : প্রাণীর বংশবৃদ্ধি প্রযুক্তি

c̄ñxññút̄ i ḡta" nñm-gjwM Ab̄Zg | myñi s GB c̄ñV nñm-gjwMi eskeñññZ w̄g t̄dñUñbvi | c̄ñKwZK Dc̄ñq evPv t̄dñUñbvi c̄ñy³i Ae`vb m̄ññtK°Av̄jwPbv Kiv n̄jv | w̄g t̄dñUñbvi Rb̄ c̄ñgZ DeP w̄g i Kvi | w̄g evQwBtqi awc w̄tP Dtj LKiv n̄jv |

- 1| ḡSwi ĀKv̄i i gm̄Y, tḡWv | k³ tL̄mvi w̄g;
 2| ^f̄weK īt̄oi w̄g;
 3| ḡSwi ĀKv̄i i w̄g;
 4| c̄wi ®<vi c̄wi "QbaWg;
 5| 50-60 M̄g | R̄bi w̄g;
 6| w̄t̄gi eqm M̄®\$Kv̄j 3-4 w̄b Ges kxZKv̄j 7-10 w̄b |

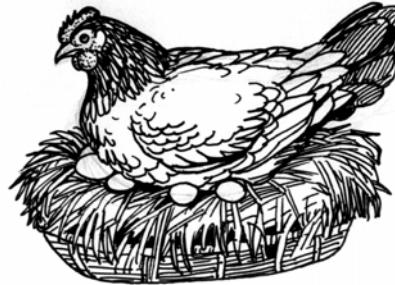
w̄t̄gi tL̄m̄q t̄Zj tḡt̄l w̄g msi ¶Y : KI.t̄Kiv N̄i w̄g msi ¶Yi Rb" ĀtbK c̄w̄Z Aēj x̄b K̄ib | Gīc GKIU c̄w̄Z n̄t̄j v̄gi M̄ ev n̄t̄mi m̄" c̄rov w̄t̄gi Dc̄ti M̄Un̄b t̄Zj ḡL̄v | GRb" m̄avi YZ m̄q̄et̄bi t̄Zj | ev̄v̄g t̄Zj ēenvi Kiv n̄q | t̄Zj ḡL̄vi ci ḡb ev̄Z̄t̄m īKv̄bv̄ n̄q Ges V̄v̄v̄ R̄v̄qM̄q īL̄v n̄q | KI.Kiv ^ēAw̄bK Kvi Y w̄n̄t̄m̄te ēt̄j b th t̄Zj ḡL̄v̄bvi d̄t̄j w̄t̄gi msi ¶Y ¶gZv K̄t̄qK̄v̄ b ev̄o | Kvi Y w̄n̄t̄m̄te D̄t̄j L̄Kiv h̄v̄q th t̄Zj ḡL̄vi d̄t̄j w̄t̄gi t̄Qv̄ t̄Qv̄ ĀtbK w̄Q`^ēU n̄q h̄v̄q | Z̄t̄Z w̄g w̄ebóKvi x ēK̄Uvi q̄ w̄t̄gi w̄FZ̄t̄i c̄lek K̄t̄Z c̄t̄i b̄ | Gi d̄t̄j w̄t̄gi cPb t̄iva n̄q |

P̄bi `ēY c̄w̄Z : G c̄w̄Z Avi I mn̄R | GKIU n̄mōt̄Z P̄bi `ēY ^z̄i K̄t̄i Ḡt̄Z w̄t̄q Z̄t̄ īL̄t̄j w̄t̄gi w̄Q`^c̄ ēU n̄q Ges w̄g ĀtbK w̄b f̄t̄j v̄_t̄K | M̄t̄gi KI.t̄Kiv x̄N̄Ryj h̄v̄Z GB c̄b̄^3 ēenvi K̄t̄i Ām̄t̄Qb | GB c̄b̄^3 ēenvi Āt̄_P̄ t̄Zgb c̄q̄v̄Rb n̄q b̄ | c̄b̄ w̄ebv w̄mōt̄q̄v̄M̄ w̄g msi ¶Y | ev̄Pv Drc̄`b GB c̄b̄^3 i eo Aē`b | G c̄b̄q̄q 250 M̄ P̄bi m̄t̄_GK w̄j Uvi c̄wb tḡk̄bvi n̄q | G w̄gkY 12 N̄v̄ tīt̄L̄ t̄q̄n̄q | `ēxfZ n̄l q̄i ci Dc̄ti i ^~Q c̄wb tbq̄v n̄q | Z̄v̄v̄ w̄g GB ^~Q ev̄ c̄wi s̄k̄v̄i c̄wb̄t̄Z w̄et̄bvi n̄q Ges 15 w̄gbU īL̄v n̄q | AZtci w̄g Z̄t̄j ev̄Z̄t̄m īKv̄bv̄ n̄q | īKv̄bv̄ ci V̄v̄v̄ R̄v̄qM̄q īL̄v n̄q | GB w̄g 2-3 ḡm̄ f̄t̄j v̄_t̄K | w̄t̄gi t̄L̄m̄v̄ P̄bi ms̄út̄k̄Ḡt̄m̄ K̄v̄bU Drc̄b̄eq̄ Ges w̄t̄gi t̄L̄m̄vi w̄Q`^ēU n̄q h̄v̄q | Ḡt̄Z w̄t̄gi t̄fZ̄i ēv̄K̄Uvi q̄ c̄lek K̄t̄Z c̄t̄i b̄ | d̄t̄j cPb t̄iva n̄q |

w̄g t̄d̄Uv̄bvi c̄w̄Z : ĀtbKf̄t̄eB w̄g t̄d̄Uv̄bvi n̄q | thgb- Bb̄KD̄t̄eUi c̄w̄Z, Z̄i c̄w̄Z Ges c̄K̄iZK c̄w̄Z | M̄t̄gi M̄p̄` em̄ōt̄Z c̄K̄iZK c̄w̄ZB ēēūZ n̄q | Ḡt̄Z Āt̄_P̄ w̄mōt̄q̄v̄M̄ j̄v̄M̄ b̄ | m̄Z̄i vs GL̄t̄b c̄K̄iZK c̄w̄Z eYv̄ Kiv n̄t̄j v̄ |

c̄K̄iZK c̄w̄Z : ḡi Mi w̄b̄t̄Ri t̄t̄ni Z̄v̄ w̄t̄q w̄b̄^3 w̄g t̄d̄Uv̄bvi t̄K c̄K̄iZK c̄w̄Z et̄j | G c̄w̄Z Argiv w̄b̄t̄R̄`i em̄ōt̄Z t̄t̄L̄ _v̄Kē | t̄w̄k ḡi M̄ K̄ōb w̄g c̄rov̄ ci K̄t̄P n̄q Ges w̄t̄g Z̄v̄ w̄t̄Z ĀM̄x n̄q | Gīc ḡi M̄t̄K 10-12 w̄g w̄t̄q em̄t̄bvi n̄q | c̄b̄gZ ḡi Mi Rb" S̄p̄t̄Z LoKUv w̄t̄q GKUv ev̄v̄ ev̄b̄t̄Z n̄te | ev̄v̄v̄ N̄t̄i w̄R̄t̄ K̄v̄Y īL̄t̄Z n̄te | ḡi Mi ev̄v̄ 35 tm̄g ēv̄m̄ Ges 10 tm̄g M̄fxi n̄te | w̄t̄g em̄t̄bvi c̄t̄e® ḡi M̄t̄K f̄t̄j v̄f̄t̄e L̄v̄ q̄t̄Z n̄te | ḡi Mi m̄ḡt̄b `v̄b̄`i L̄evi | c̄wb īL̄t̄Z n̄te | 8-10 w̄b ci w̄g , t̄j v̄ m̄h̄P Āt̄j v̄q c̄ix¶v̄ K̄t̄Z n̄te | w̄t̄gi t̄fZ̄t̄i āY _v̄K̄t̄j K̄v̄j v̄`v̄Mi ḡt̄Zv̄ t̄L̄t̄e | 21-23 w̄t̄bi ḡt̄a w̄g t̄_t̄K ev̄Pv t̄ewi t̄q Ām̄te | ev̄Pv ī c̄b̄ `ḡm̄ ḡt̄qi Z̄Ejeāt̄b _v̄t̄K | Gici ev̄Pv ī ^v̄axbf̄t̄e Pj̄t̄di v̄ K̄t̄i |

bZb kā : c̄M̄xi eske¶, w̄t̄g t̄Zj ḡL̄v̄, P̄bi `ēY, w̄g t̄d̄Uv̄bvi c̄K̄iZK c̄w̄Z



¶t̄i : w̄g t̄d̄Uv̄bvi c̄K̄iZK c̄w̄Z

cW-3 : ev"Py tduUv‡bvi wWg Drcv` b

†Zgiv Rvb mWg t`K ev'Pv Rtb| c|q ewo‡ZB †Zgiv †`L _vK‡e num-gj mWg t`q, mWtg Zv t`q Ges
mW`S mgq cvi ntj ev'Pv tei nq| `yU D‡I ‡K mWg Drcv` b Kiv nq|

- 1) num-gj^h Mi eske^hri Rb^h
 - 2) gvb^h i c^hóí Rb^h A^h Lve^h Rb^h

eske*ri* Rb^{..} Mg Drc*b* Ki*Z* n*j*
w*tgr*³ w*lq,tjvi* c*öZ* `w*tZ* n*te*|

1. Dboř RytZi gjim thgb, wgtbvKp
 tnqyBUtjM nb° A÷vijc, tiW
 AvBj vU tiW (Avi, AvB, Avi),
 dvBIgx BZw i bvg Dtj EtHM |
 Aveti Dboř RytZi num thgb, wP̄ : tiW AvBj vU tiW (Avi .AvB.Avi) wP̄ : tnqyBU tj Mnb°
 wRbWs, LwK Kvtgx^j , BwUqvb ivbvi
 cFZ Dtj EtHM |

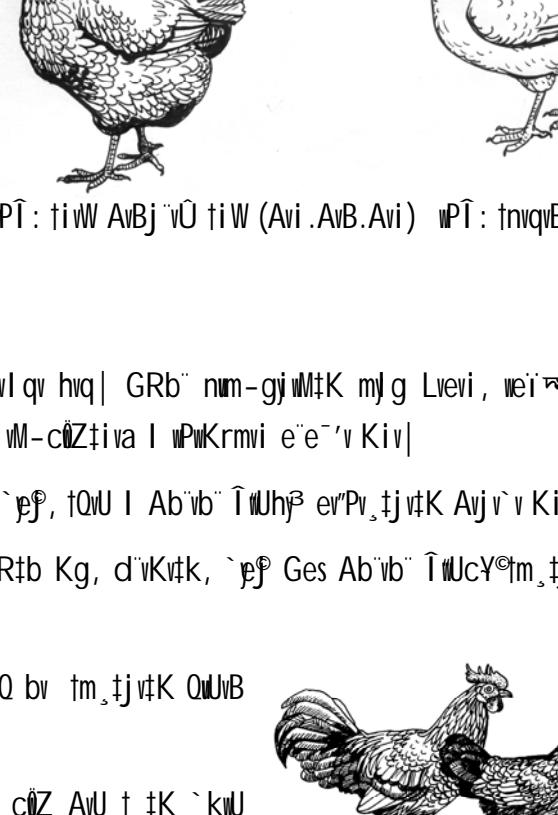
2. ~v~'evb num-gjim t_k fvtjv wNg cvl qv hq| GRb" num-gjim k mlg Lvevi, vei cwb |
 ~v~'moxZ evm~'tbi e~e~'v Kiv Ges tiM-czativa | wP̄Krmvi e~e~'v Kiv |

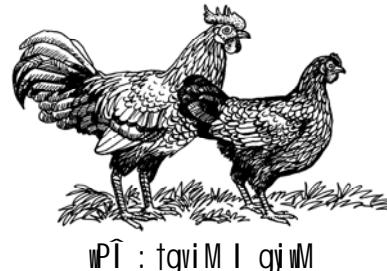
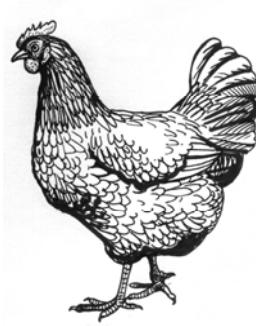
3. wNg dtU evPv tei nl qvi ci AtcPvKZ `y°, tqvU | Ab~vb" Tuhyp evPv, tj vtK Avj v Kiv |

4. wNg cvovi eqm ntj thme num-gjim | Rtb Kg, dvKtik, `y° Ges Ab~vb" TucYtm, tj vtK ev`
 t`qv |

5. thme num-gjim 6 gvm eqtmI wNg w~tQ bv tm, tj vtK QvUvB
 Kiv |

6. eskeři Rb" wNg Drv b Ki‡Z ntj cÖz AvU t_k `kij
 gjim ev ntmi Rb" GKBmv‡_GKvU tgviM ev cj1 num ivL‡Z
 nte |





Wg crov gj Mi ^eukó

thme gj Mi Wg t_‡K er"PV dUtbv nte wbtP tmme gj Mi ^eukó D‡j LKi n‡j :

1. tPV eo | D^{3/4}j nte;
2. tVU euKv | tgUV nte;
3. Ktbi jWZ eo, big | D^{3/4}j nte;
4. Mj v tgvUv | LvUv nte;
5. wctVi AvKvi eo nte |
6. eK Pl ov nte;
7. Pgov crZjv | big nte;
8. tcU eo | Pvewb nte;
9. gj Øvi eo | tfRv _Kte;
10. cr LvUv wKšgRey nte |



WT : Wg crov num



WT : Wg crov gj Mi

KvR : Zing wbtR cij tbi Rb" 5WU tnqyBU tj Mnbcer"PV thMvo Ki | er"PV, t‡j vtK Wg crov gj M‡Z cwi YZ
Kivi Rb" my g Lveri `vI , we'‡c cwb `vI | i vbx‡PZ | Ab"v" tivMi wUKv `vI | hw` tKvtbv er"PV `ye
ev tQvU g‡b nq Z‡e tm‡tK ev` `vI | er"PVi eqm Qq gvm n‡j Wg crov ii "Ki te | th er"PV Qq gvtmI
Wg t` q bv Zv QuvB Ki | Gfvte Zing fv‡j v Wg crov gj Mi wbePb Ki‡Z cvi te |

bZb kā : wgtbvK®, tnqyBU tj Mnbc A÷vi ‡j vc, tiW AvBj vU tiW, wRbwMs, LwK K"‡x^j , BwUqvb
i vbi |

Abkjxj bx

kθ"‐'v b c‡Y

1. exRZj vq w‡q cwb ‡l qv fv‡j v |
2. w‡gi tLvw P‡bi ms"ú‡k‡G‡m..... Drcbønq |
3. tm‡Pi cwb i tiva Kivi gva‡g Gi Kvhwvi Zv e‡K Kiv hvq |
4. kZK c‡Z tKwR Pb c‡qM K‡i tNvjcwb w_Z‡q ^v‡weK Kiv hvq |

wgj KiY :

	evgcuk	Wbcuk
1. A½R eske	cwbi ¶ZKi w`K	
2. cwbi wbKik	wbivc` `‡Zi	
3. tmP cKí	cvebv AvB Avi wW	
4. exR dmtj i c_wKxKiY	gwUtz ðRñ Avbv ,wU Kj g	

eñibePib cKæ

1. ev"Pr tdlUrtbvi Rb" wbewPZ Wg kxZKvij KtZw` b chS-msi ¶Y Kiv hñe?

- | | |
|--------|----------|
| K. 3-4 | L. 4-5 |
| M. 7-8 | N. 10-12 |

২. ফোয়ারা পদ্ধতিতে সেচ দেওয়া হয়-

- i. exRZj vq
- ii. kvK-meRi t¶tz
- iii. euelrQdj MñQ

wbPi tKvbU mñVK?

- | | |
|-----------|-------------|
| K. i | L. ii |
| M. i ii | N. ii iii |

wbPi Abt"Q`w co Ges 3 | 4 b¤^i cKk Dñi `vI :

i wRqvi evev Zvi 5 kZtKi GKwU cwi Z"3 cKti gwQ Pvli Dñ` wM tbb Ges PvI ii "Ktib| wKšwKw`b
hweZ i wRqv j ¶" Kti th, cKti i cwbi Nb meR is aviY Kti tQ Ges gwS gwS gZ gwI tftm | tV| 7g
tkñi wK¶v_Ri wRqv Zvi evetK G mgm"v mgvarb cKti ZñZ ev KcvI mwj tdu cñqñMi ciwgk¶`q|

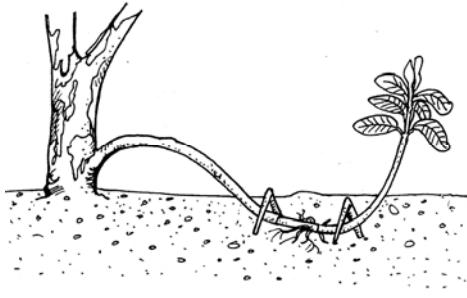
3. i wRqvi evevi cKti i Rb" cñqñRbxq ZñZ ev KcvI mwj tdu ciwgY KtZv?

- | | |
|--------------|--------------|
| K. 12-15 Mñg | L. 24-30 Mñg |
| M. 60-75 Mñg | N. 48-60 Mñg |

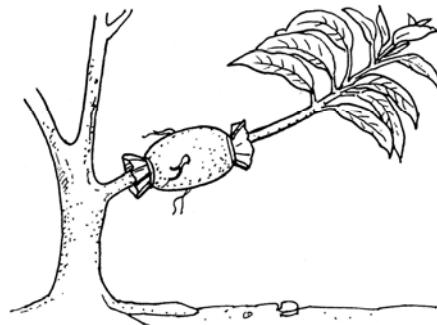
4. i wRqvi eveyi cKti DtjEZ mgmvi Kvi Y Kx?

- | | |
|---------------------------------------|--|
| K. cKti kvljvi -fi myo nl qv | L. cKti i cwb tNjv nI qv |
| M. cKti AwZwi ³ Pb t` I qv | N. cKti i cwb AzoZi Pvi Zj Kg-tevk nl qv |

mRbkxj cik



MP̄ : K



MP̄ : L

K. Dwmt` i A½R esk we-`vi ej tZ Kx tevS?

- | |
|---|
| L. A½R esk we-`vi i GKU myear eYLv Ki |
| M. tMyvci esk we-`vi i tPf`i wPf`i tKb cWZU KvhRix? Kvi Y eYLv Ki |
| N. wPf`i cWZmgm fVfj v dj tb Kxfvte fVgKv iVLtZ cVti? wefkH Ki |

২. শ্যামল বাবু তার পারিবারিক চাহিদা মেটানোর জন্য বাড়ির পাশের স্বল্প জমিতে টমেটো ও ফুলকপি চাষ শুরু করেন। এ ছাড়া বাড়ির পিছনে তার ৫ বছরের পুরনো আমের একটি বাগানও আছে। শ্যামল বাবু আম বাগানে যে সেচ পদ্ধতিটি অনুসরণ করে সফলতা লাভ করেন তা তার সবজি ক্ষেত্রে প্রয়োগ করেন। এতে সবজি বাগানে সমস্যা দেখা দেয়।

K. cwb tmP tKb t` I qv nq?

- | |
|---|
| L. tmP i cwb KvhRwi Zv ePvi GKU cW ³ eYLv Ki |
| M. Kvgj eveyth tmP cWZ cWZ Kti PfI mdj Zv cwb Zv eYLv Ki |
| N. Kvgj eveyKxfvte meIR tPfZ DmZ mgmvi mgvavb Ki teb wefkH Ki |

msvPβ DĒi cōkæ

1. KZØ ev tQ` Kj g Kr?
2. Wg Drcv` tbi Dfī k` Kr?
3. cKtii cwb tKb tkvab Ki v nq?
4. teik Wg cror gj Mi ^eukó" Dtj LKi |

i Pþrgj K cōkæ

1. eisj v` tki cwb tmP cōKí ,tj v Kr Kr?
2. cwb nök ej fZ Kr tevS? cwb nök tki Dfī k'mn AñZwi³ cwb i PñZKi v K, tj v eYðv Ki |
3. exR Kq aitc DrcbaKi v nq? wnfbaçKvi extRi eYðv `vI |
4. DeP Wg Kr? Wg evQvBtqi avcmgn Dtj LceR cōKñZK Dcvfq Wg tduvfbv cññZ eYðv Ki |
0. Krfite tmPi cwb i AcPq ntq _vK? tmPi cwb i KvhRwi Zv ePñ Ki v cñgvRb tKb?

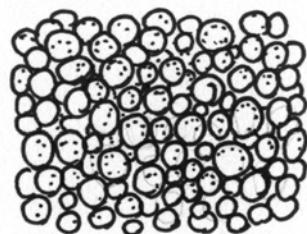
ZZxq Aa"vq

Kw DcKiY

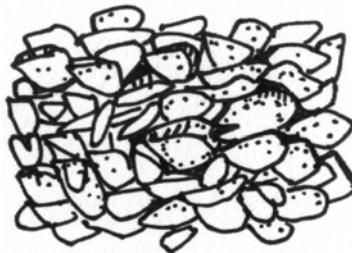
Avgiv ce@Zx©KwYtZ Rvb‡Z tctiQ gwU ntj v Dw™t` i AeJ x^b Ges mvi ntj v Zvi Lvevi | Avgiv wK Rvb G mvti Kx Kx Dcv`vb _v‡K? mvi ntj v Dw™t` i cjo Dcv`vb, tj vi Avavi | Avi c©xi t¶‡† KK¶v, AwgI, Pw© wfUwgb | LvbR jeY ntj v cjo Dcv`vb bi Avavi | Abw‡K gwQ | ci -cmLi Rb` Lv` Lvb, iZcY©Kvi Y G, tj v t‡K Kw•¶Z dj b tctZ m¤ú‡K Lv` i weKí tbB | Avevi Rwg‡Z mvi wntmte ^Re mvti i KvñRwi Zv I fñgKv, iZcY© ZvB ^Re mvi ^Zvi | Zvi eñenvi Rvb AZñek^K |



wP† : Pv‡ j i KdV



wP† : wUGmwic mvi



wP† : f‡Ev fvOr

G Aa"vq cW tk‡l Avgiv

- c©x | Dw™t` i cjo i c©q|RbxqZv eñLv Ki‡Z cvie;
- gwQ | ci -cmLi m¤ú‡K Lv` c©' Z cñwZ eYv Ki‡Z cvie;
- mnRj f‡ DcKiY (thgbñnevñewo i eR© eñenvi Kti ^Re mvi ^Zvi i cñwZ | Gi eñenvi eYv Ki‡Z cvie;
- evj vBvñK (^Re | Ai vñqñbK) eñenvi i c©q|RbxqZv eñLv Ki‡Z cvie;

c\N1 : D\` i c\` Dc\` vb

DIM^{MC} Zvi eW I cWciçjWi RbW gWU, evqy I cWmb nWZ KZK, tWj v DcWv bW tkvY Kti | G DcWv bW, tWj v AfWe DIM^{MC} mWpWfWe eWpWZ cWt i bv| ZvB j v RbKfWfWe AwaK kmW DcWv tWbi RbW G cWjW DcWv bW, tWj v mvi wntmte cWqM Kti GWt i AfWe cWt Y Kiv nq| G DcWv bW, tWj v KB DIM^{MC} i cWjW DcWv bW etj | G cWjW DcWv bW, tWj v AfWe nWj AbW tKvfbv cWjW DcWv bW Øviv Zv cWt Y Kiv hvq bv| ZvB G cWjW DcWv bW, tWj v K AZWek Kxq cWjW DcWv bW etj | GLvfb DIM^{MC} i cWjW DcWv vWbi tkvYefM, KvR, AfWeRvbZ j PWY Ges cWjW DcWv vWbi cWqRbxqZv mWútKWAvtj vPbv Kiv nWj v|

cjó Dcv` v̄bi tk̄MnefM :

Dw^mc cyó Dcv`vb ntjv 17W| Dw^mt`i M^hYgv̄vi Dci wf^mÉ Kti G cyó Dcv`vb, tjv^mK 2W tkiN^mZ wef³
Kiv h^mq | h_vN

- (K) gj̄. cjo Dci`vb : G cjo Dci`vb ntjv 9IU | DwM̄t` i -^vfwieK epr̄i Rb" G cjo Dci`vb, t̄jv
AwaK cwi gytY e"eÜZ nq | thgbÑ Kveð, nvBtWtRb, Ait tRb, bvBtUtRb, dmdim, cUwmqvg,
K"yj wmqvg, g"Mtbtwmqvg, mjj dvi |

(L) tMSY cjo Dci`vb : G cjo Dci`vb ntjv 8IU | DwM̄t` i -^vfwieK epr̄i Rb" G cjo Dci`vb, t̄jv
Aí gv̄l vq ctiqvRb nq | G, t̄jv Aí gv̄l vq e"eÜZ ntj | DwM̄t` i Rxeb i ¶vi Rb" AZ"ek"K | thgbÑ
tjhn, g"v½wlbR, gwj e‡Wbvg, Zvgv, ^-v, teri b, tKwi b, tKvev̄ |

cyó Dcv` v‡bi Drm :

Drm | i 2 M Drm t K 17 M c y Dcr` b M Y K t i _ K | h v N (K) c K Z K Drm I (L) K g
Drm |

- (K) 죵이ZK Drm : gwU, evqy | cwb G wZbwU n‡Q 죵이ZK Drm |
 gwU : KieØ, A¶ ‡Rb | nvB‡W‡Rb e„ZxZ ewK 14wU cjo Dcv`vb Dw™c gwU t_‡K tctq _v‡K |
 evqy : Dw™c KieØ | A¶ ‡Rb evqyn‡Z MœY K‡i |
 cwb : Dw™c nvB‡W‡Rb | A¶ ‡Rb cwb n‡Z cjq | GQrovI Dw™c cwb‡Z `exfZ LwbR c`v_¶ MœY
 K‡i |

(L) Kœg Drm : ^Re mvi | i vnvqibK mvi n‡Q Dw™‡` i cjo Dcv`v‡bi Kœg Drm |
 ^Re mvi : Dw™‡` i cjo Dcv`v‡bi me, tjvB ^Re mvi cvl qv hvq | tMvei, K‡œùn÷, AveRœv, LoKœv
 | AvMœqv cip‡q ^Re mvi wntmte e„envi Kiv nq |
 i vnvqibK mvi : BDwi qv‡Z bvB‡U‡Rb, wJGmœ‡Z dmdivm, Ggi‡Z cUwmqvg | wRcmv‡g
 Kœjwmqv‡gi cœavb _v‡K |

KvR : **kk¶K kk¶lv** x i K‡qK `‡j wef³ K‡i cÖZU `‡j BDwiv, wUGmuc, Gguc, wRcmvg m‡i i
bgþv †‡eb | G mvi ,‡j v cÖvbZ tKvb tKvb cÖÓ Dcv`vb mieivn K‡i, Zv‡`i bvig | 3U K‡i KvR
wj L‡Z ej‡eb Ges Zv `j xqfv‡e Dc `vcb Kv‡eb |

CW-2: cjó Dcv` v̄bi KvR

DwM̄t` i RxebP̄mu w̄fbœcjó Dcv` b w̄fbœKvR K̄ti _v̄K | w̄bP DwM̄t` i , iZcYK̄qKvU cjó Dcv` v̄bi KvR eYDv Kv n̄tj w̄

bvBtUtRb : (1) M̄Q̄tK Nb meR i v̄L; (2) M̄tQi cvZv, Kv̄E I Wj cvj vi eYR NUVq; (3) AwaK Kuk m̄jōtZ mn̄qZv K̄ti; (4) `v̄b RvZxq dm̄tj Aw̄gtl i cwi ḡY eYR cvq; (5) dtj i AvKvi AvKvZ eo K̄ti; (6) cvZv RvZxq dm̄tj i cwi ḡY I , Yv, Y eYR K̄ti; (4) DwM̄tK L̄v I kxZ mn̄bkxj K̄ti tZv̄tj | (5) M̄tQi cwi cKZv Avbqtb mn̄vh̄ K̄ti |

dmdim : (1) DwM̄t` i w̄Ko MV̄tb mn̄vh̄ K̄ti; (2) mgaḡtZv dj tduvq I dm̄j cvKvq; (3) dm̄tj i , YMZ ḡb evovq |

cUmmqvg : (1) k³ I gReZ Kv̄E MV̄tb mn̄qZv K̄ti; (2) DwM̄t` i t̄iM c̄Z̄t̄va P̄gZv evovq; (3) DwM̄t` i ciZv, Kv̄U I dtj i eYR mḡb̄Z i v̄L | (4) M̄tQi w̄Ko eYR K̄ti | (5) `v̄b RvZxq k̄tm̄i `v̄b cvj K̄ti | (6) Z̄ḡvK cvZvI , Yv, Y eYR K̄ti |

K̄yj mmqvg : (1) DwM̄t` i gj MVb I eYRtZ mn̄vh̄ K̄ti; (2) DwM̄t K̄t̄v t̄K k̄m̄ c̄tb K̄ti; (3) Wj dm̄tj i dj b evovq; (4) dj RvZxq k̄tm̄i Kv̄E k³ K̄ti; (5) Lv` "k̄tm̄ K̄yj mmqvtgi cwi ḡY evovq |

ḡM̄tbukqvg : (1) mv̄tj w̄Kms̄tK̄t̄Y mn̄qZv K̄ti; (2) dmdim tkv̄tY mn̄vh̄ K̄ti; (3) P̄e©I KKvR RvZxq Lv` "Zv̄tZ mn̄vh̄ K̄ti; (4) meR i P̄vq mn̄qZv K̄ti |

MÜK (mv̄j dvi) : (1) tZj RvZxq dm̄j Dcv` b eYR K̄ti; (2) w̄kg RvZxq dm̄tj i ḡtj bvBtUtRb , w̄ Dcv` t̄b mn̄vh̄ K̄ti; (3) w̄Ko eYR I exR Dcv` t̄b mn̄qZv K̄ti; (4) M̄tQi ^w̄K eYRtZ mn̄qZv K̄ti |

^ -v (W̄R 1/4) : (1) dj I dj Dcv` t̄b mn̄qZv K̄ti; (2) DwM̄t` i meR Kv̄Kv MV̄tb mn̄vh̄ K̄ti; (3) `v̄b I dj RvZxq dm̄tj i Dcv` b evovq; (4) exR MV̄tb AskM̄b̄Y K̄ti; (5) tc̄vR, ḡUi c̄F̄Z dm̄tj i Dcv` b evovq |

tj Šn ev Avqib : (1) DwM̄t` i meR KYv MVb K̄ti; (2) exR Dcv` t̄b mn̄qZv K̄ti; (3) dm̄tj i , YMZ ḡb evovq; (4) evav Kw̄c, kvj Mg, gj v BZ w̄ i dj b eYR K̄ti; (5) w̄Ko eYRtZ mn̄qZv K̄ti |

KvR : w̄KvK w̄Kv_xP̄ i Øv̄v bvBtUtRb, dmdim, mv̄j dvi I K̄yj mmqvg bv̄ḡq `j MVb Ki t̄eb | c̄Z̄K `j t̄K w̄R w̄R `t̄j i cjó Dcv` v̄bi KvR I Z̄t̄ i t̄K th th mv̄t i cvl qv hvq Zv̄i GKvU Zv̄j Kv̄ ^Zv̄i Ki t̄Z ej t̄eb | G t̄P̄t̄ w̄Kv_xP̄ t̄kiYK̄t̄P̄ w̄Kv t̄Ki t̄ Lv̄bv bḡbv mvi /bḡbv DwM̄t c̄k̄b K̄ti `j xq KvRvU Ki t̄Z cv̄i |

CW-3 : cjo Dcv` v̄bi AfvēRwbZ j̄Y

cjo Afvē Dv̄m̄ t̄iM̄p̄s — n̄j̄ w̄ekl j̄Ȳi ḡāt̄g Dv̄m̄ Zv c̄K̄k K̄i | w̄b̄P K̄Zc̄q cjo Dcv` v̄bi AfvēRwbZ j̄Ȳ D̄t̄j̄ L̄K̄i n̄j̄ :

Dcv` v̄b	AfvēRwbZ j̄Y
b̄B̄t̄Ūt̄Rb	(1) M̄t̄Q̄i c̄Zv̄ n̄j̄ K̄ meR̄ t̄K̄ īī"K̄ī n̄j̄ eȲavi Ȳ K̄ī; (2) d̄j̄ b̄ Āt̄b̄K̄ Kḡ n̄q; (3) exR̄ Ac̄j̄ n̄q; (4) v̄b̄ R̄v̄Zx̄ d̄m̄t̄j̄ ī K̄k̄ Kḡ n̄q; (5) M̄t̄Q̄i w̄K̄t̄oi w̄ē-w̄Z Kḡ n̄q; (6) M̄t̄Q̄i c̄Zv̄ Aw̄M̄ḡ S̄t̄ī c̄t̄o; (7) exR̄ī Av̄K̄w̄ t̄Q̄Ū n̄q; (8) c̄K̄o ī w̄K̄t̄q h̄w̄q
d̄md̄īv̄	(1) w̄ēŪ l̄ ḡj̄ ī -v̄f̄w̄ēK̄ w̄ēK̄ Kḡ n̄q b̄v̄; (2) t̄K̄ī w̄ēf̄R̄t̄b̄ w̄ēN̄ēm̄j̄o n̄q; (3) M̄t̄Q̄i -v̄f̄w̄ēK̄ ēp̄s̄ n̄q b̄v̄; (4) c̄Zv̄ Kḡ n̄q; (5) Aw̄ḡt̄l̄ ī c̄w̄ḡīȲ K̄t̄ḡ h̄w̄q; (6) d̄t̄j̄ ī msL̄v̄ K̄t̄ḡ h̄w̄q; (7) d̄j̄ S̄t̄ī h̄w̄q l̄ d̄t̄j̄ ī Av̄K̄ī t̄Q̄Ū _v̄t̄K̄
c̄Ūw̄m̄q̄ḡ	(1) Dv̄m̄t̄ ī t̄īM̄ c̄Z̄t̄īvā P̄ḡZv̄ K̄t̄ḡ h̄w̄q; (2) t̄c̄v̄K̄-ḡv̄K̄t̄oī Aw̄ḡȲ ēt̄o; (3) m̄t̄j̄ w̄K̄m̄t̄k̄H̄Ȳī n̄v̄ī n̄m̄ c̄t̄o; (4) M̄t̄Q̄i ēp̄s̄ ēv̄n̄Z̄ n̄q; (5) M̄t̄Q̄i c̄Zv̄ Z̄ḡt̄Ū eȲ avi Ȳ K̄t̄Ī; (6) w̄K̄t̄oī ēp̄s̄ N̄t̄Ū b̄v̄; (7) L̄īv̄ l̄ Z̄l̄īc̄v̄Z̄ mn̄" K̄īv̄ P̄ḡZv̄l̄ K̄t̄ḡ h̄w̄q
MÜK (m̄j̄ d̄v̄)	(1) M̄Q̄ LeR̄K̄Z̄ī n̄q (2) c̄Zv̄ t̄Q̄Ū l̄ w̄ēȲh̄q̄ (3) d̄m̄t̄j̄ ī c̄w̄īc̄K̄Z̄v̄ w̄ēj̄ w̄ē^Z̄ n̄q (4) K̄v̄Ē ī w̄K̄t̄q̄ mī"n̄t̄q̄ h̄w̄q̄ (5) t̄Z̄j̄ R̄v̄Zx̄ k̄t̄m̄ ī d̄j̄ b̄ K̄t̄ḡ h̄w̄q̄ (6) āt̄b̄ w̄P̄Ū t̄ēn̄k̄ n̄q (7) āv̄b̄ M̄t̄Q̄ī tēj̄v̄ b̄Z̄b̄ c̄Zv̄ n̄j̄t̄ n̄t̄q̄ h̄w̄q̄ (8) M̄t̄Q̄ī ēp̄s̄ l̄ K̄k̄ī msL̄v̄ K̄t̄ḡ h̄w̄q̄ (9) Ūt̄ḡt̄Ū c̄Zv̄ n̄j̄ K̄ meR̄ n̄q; (10) t̄j̄ ēȳM̄t̄Q̄ m̄v̄t̄Ū c̄Zv̄ tēī n̄q
v̄-v̄ (w̄RsK̄)	(1) āv̄b̄ M̄t̄Q̄ī K̄w̄Pc̄v̄Z̄ī t̄M̄ōv̄ m̄v̄ n̄t̄q̄ h̄w̄q̄; (2) M̄t̄Q̄ī d̄j̄ d̄Ūt̄Z̄ l̄ d̄j̄ āīt̄Z̄ w̄ēj̄ w̄ē^ n̄q; (3) f̄j̄v̄, Z̄j̄v̄, K̄ḡj̄v̄t̄j̄ ēȳB̄Z̄w̄ M̄t̄Q̄ī c̄Zv̄ī w̄k̄īv̄ gāēZ̄P̄ -v̄t̄b̄ w̄ēȲZ̄v̄ t̄`Lv̄ t̄`q̄; (4) c̄Zv̄ī ēp̄s̄ ēv̄n̄Z̄ n̄q; (5) t̄j̄ ēȳM̄t̄Q̄ī c̄Zv̄ K̄K̄t̄o h̄w̄q̄; (6) R̄w̄ḡt̄Z̄ t̄K̄v̄_v̄l̄ āt̄b̄ī P̄v̄īv̄ eōq̄ Ges̄ t̄K̄v̄_v̄l̄ t̄Q̄Ū n̄q; (7) Dv̄m̄t̄ ī ḡj̄ l̄ K̄v̄Ēī AM̄F̄M̄ ī w̄K̄t̄q̄ h̄w̄q̄; (8) Z̄ḡv̄K̄ M̄t̄Q̄ī c̄j̄v̄Z̄b̄ c̄Zv̄q̄ `M̄ c̄t̄o
t̄j̄ ſ̄n̄ (Av̄q̄īb̄)	(1) K̄w̄P̄ c̄Zv̄ī meR̄ īs̄ w̄ēȲh̄q̄; (2) c̄d̄t̄ḡ c̄Zv̄ī `B̄ w̄k̄īv̄ gāSL̄t̄b̄ w̄ēȲ n̄t̄q̄ mḡM̄ō c̄Zv̄q̄ Zv̄ Q̄ōt̄q̄ c̄t̄o; (3) M̄Q̄ LeR̄K̄Z̄ī n̄q; (4) m̄q̄w̄ēb̄, K̄ḡj̄v̄t̄j̄ ēȳl̄ w̄ēR̄ R̄v̄Zx̄ c̄Zv̄q̄ c̄Pb̄ āt̄ī; (5) āt̄b̄ī ēxR̄Zj̄v̄ī P̄v̄īv̄ b̄Z̄b̄ c̄Zv̄ n̄j̄ȳ n̄t̄q̄ h̄w̄q̄
K̄v̄j̄ w̄m̄q̄ḡ	(1) K̄w̄P̄ c̄Zv̄ī AM̄F̄t̄Mī M̄Vb̄ Ā-v̄f̄w̄ēK̄ n̄q; (2) c̄Zv̄ī meR̄ īs̄ w̄ēȲh̄q̄; (3) c̄Zv̄ī w̄K̄b̄īv̄q̄ Ges̄ gāSL̄t̄b̄ nj̄t̄ l̄ ēv̄w̄ḡ īs̄ n̄q; (4) c̄Zv̄ī t̄Q̄Ū _v̄t̄K̄; (5) M̄Q̄ LeR̄K̄Z̄ī n̄q; (6) d̄j̄ l̄ d̄t̄j̄ ī K̄ō S̄t̄ī h̄w̄q̄; (7) w̄k̄ḡ R̄v̄Zx̄ d̄m̄t̄j̄ ī ēp̄s̄ ēv̄n̄Z̄ n̄q
ḡw̄M̄t̄b̄w̄m̄q̄ḡ	(1) c̄Zv̄ī `B̄ w̄k̄īv̄ gāēZ̄P̄Gj̄v̄K̄ n̄j̄ȳ eȲavi Ȳ K̄t̄ī; (2) c̄Zv̄ī āx̄t̄ī āx̄t̄ī ī w̄K̄t̄q̄ h̄w̄q̄; (3) M̄t̄Q̄ī k̄v̄L̄v̄ l̄ c̄Zv̄ī t̄ēŪ mī"n̄q; (4) b̄Z̄b̄ c̄Zv̄ n̄j̄ȳ K̄ meR̄, L̄v̄Ū Ges̄ mī"n̄q; (5) ḡuī `v̄b̄v̄q̄ ēv̄w̄ḡ `M̄ t̄`Lv̄ h̄w̄q̄; (6) w̄K̄t̄gī c̄t̄īv̄ c̄Zv̄ n̄j̄ȳ n̄t̄q̄ h̄w̄q̄; (7) t̄K̄t̄īw̄d̄j̄ Dc̄r̄b̄ ēv̄n̄Z̄ n̄q; (8) M̄t̄Q̄ī k̄v̄L̄v̄ l̄ c̄Zv̄ī t̄ēŪ mī"n̄q

KwR : w̄K̄t̄K̄ b̄B̄t̄Ūt̄Rb̄, d̄md̄īv̄, c̄Ūw̄m̄q̄ḡ l̄ w̄Rs̄K̄ī Afvē Dv̄m̄t̄ ēv̄ d̄m̄t̄j̄ K̄x̄ K̄x̄ j̄Ȳ c̄K̄k̄ c̄v̄ Z̄v̄ bḡb̄v̄ w̄-īP̄t̄ ēv̄ w̄f̄w̄l̄ c̄k̄b̄ K̄īt̄eb̄ | w̄K̄t̄v̄x̄p̄ D̄3̄ cjo Dcv` v̄bi Afvē t̄K̄b̄ t̄K̄b̄ bḡb̄v̄ c̄K̄k̄ t̄c̄t̄q̄o Ges̄ j̄Ȳ, t̄j̄v̄ K̄x̄ K̄x̄ Z̄v̄ `j̄x̄q̄f̄v̄ē w̄j̄t̄L̄ t̄K̄t̄v̄t̄Z̄ Dc̄r̄b̄ v̄cb̄ K̄īt̄ē |

CW-4 : c̄xi c̄jó Dcv`vb

gubt i tetP _vKvi Rb thgb Lv` i c̄qRb tZgb c̄xi tetP _vKvi Rb I Lv` i c̄qRb | Avgiv GLtb c̄xi c̄jó Dcv`vb ej tZ i aycii -cmLi c̄jó Dcv`vb m̄utK̄coe| ci -cmLi Lv` Zv` i ^mK epr, c̄omab, PqciY Ges ti M c̄Ztiva PgZv RbVq | KvRB Gf` i Lv` mKj c̄jó Dcv`vb _vKv DvPZ |

Mncwjj Z ci i c̄jó Dcv`vb :

Mncwjj Z ci i Lv` QqU c̄jó Dcv`vb _vKv ` i Kvi | n̄tPi QfK c̄jó Dcv`vb bi bug, c̄oi Drm I c̄oi KvhKwi Zv t` Lv`bi ntj v :

c̄jó Dcv`vb	c̄oi Drm	c̄oi KvhKwi Zv
Avgi	Wj, ^Lj, i mK gvtqi , i^3	(1) t` n̄tK m̄' I mej i vLz mnvqZv Kti; (2) t` tni PqciY I epr, mab Kti
kKv	Mg, fEv, Lo, Pvj i Kzuov, tSij v o	(1) t` tn k̄i^3 epr, Zvc Dcv`b I msitY Kti; (2) t` tni epr I KgPgZv evovq; (3) tKvōKvNb` Kti
Pieev tm̄ RvZxq c̄v_®	^Lj, mqweb, ev`vg, mbqjx, `p, gvtqi tZj	(1) t` tn Zvc I KgRv^3 epr Kti; (2) Pgovi gmYzv epr Kti Ges PgM c̄Ztiva Kti
wfUwgb	wfUwgb KvPv Nvm, djgj, kvKmevRi tLvmv, MfQi cvZv	(1) Pgovi, nvo I `wfZi MvB I m̄' Zv i Pvi Rb wFwgb wW mnvqZv Kti; (2) wfUwgb G ti M c̄ZtivaK wntmte KvR Kti
Lv`bR c̄v_® (dmdim, tmlNqg, Kvj mqvq, ḡMtbmqg, ^-v, tj̄n, ḡvsMvbR, Kcv i tKvevē)	KvPv Nvm, jeY wqkZ DvM RvZ Lv`	(1) t` tn bZb wlmj Dcv`b mnvqZv Kti; (2) nvo, `wfZi MvB I c̄jó mab Kti; (3) i^3 RgvU evatZ mnvnh Kti
cwb	cKi, Luj, wej, b`x, Mfxi I AMfxi bj Kfci cwi®<vi wej cwb, imyj KvPv Nvm	(1) Zvcgv^v wqsh Y I Lv` cwi c̄fK mnvnh Kti; (2) Lv` fK `exfZ KifZ mnvnh Kti; (3) tKvōKvNb` Kti; (4) t` tni `wfZ c̄v_® gjg^ I Nvigi AvKv tei Kti t` q

m̄g c̄jó Dcv`vb :

Dcti AvfjwPZ c̄jó Dcv`vb, tji AvbjcwZK n̄t i thme Lv` m̄`gib _vK, ZvK m̄g c̄jó Dcv`vb mḡs Lv` ev m̄g Lv` eftj | G Lv` Mew` ci i Rb LpB Rvvi | G Lv` mKj c̄jó Dcv`vb mieivn Kti _vK | GvU m̄`y yl mnRciP n̄tq _vK | GfZ Avk RvZxq Lv` (i®< i imvftj v) Ges `vbi vi Lv` _vK |

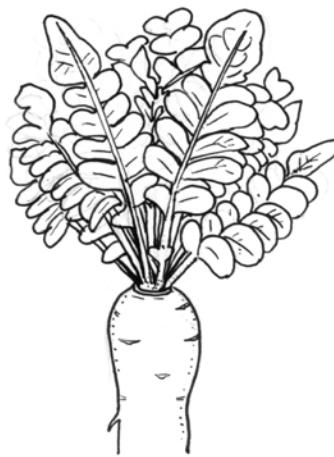
Avk RvZxq c̄jó Dcv`vb : (K) i®< : avtbi Lo, Mfgi Lo, MfBtj R I Nvm;

(L) imyj : KvPv Nvm, wqsh Avj y gjv, MvRi BZw` |

`vbi RvZxq Lv` : Mg fVzv, fEv fvOv, Pvj i KvPv, Mfgi fym, ^Lj, Wtj i tLvmv |



WPT : cBkuk



WPT : gjvkvK



WPT : djKic

KwR : AcjotZ fMto Ggb Mpcwj Z ci Ges mwK cjomxubem' Mpcwj Z ci i w'i WPT ev wfwi tkwKtP t Lweb Ges wkpv_xP i tK G jai tbi Mpcwj Z ci i kviwK Mvb I my'Zvi cv_pk i Kvi Y eYLv KitZ ej tbe | G KwRwU D³ Avtj vPbv ev `j xqfite wkpK KivtZ cvi tbe |

cW-5 : Mpcwj Z cmLi cjo Dcv`vb I Rxe cjo i ctqvRbxqZv

Abvib cMyi gZv Mpcwj Z cmLi Rb`I 6wU cjo Dcv`vb Riw | GLwtb cjo Dcv`vb, tjvi Drm I Avi I wKQz Kvhewj msutK^oAvtj vPbv Kiv nte |

1. kKpw : kKpw Drm, tjv ntjv Mtg i fym, fye fvo, Pvji Ly I Kdv, BZ`w` |

KwR : (1) fye fviw tLj wMgi Kmgi njy nq; (2) t tn kw³ eP, Zvc Drv`b I msi Pw Kti; (3) t tn eP I KgPqZv evovq; (4) tKwKwNb` t Kti |

2. Awgl : Awgl i Drm, tjv ntjv ^Lj (ev`ig, wZj), wj PY^o mqweb PY^o, i[®] s, wv (i wK giQ, ci i bmofo, ntoi wv, i³) BZ`w` |

KwR : (1) t ntk my` I mej i vLtz mnvqZv Kti; (2) t tn PqctY I ePmab Kti |

3. PvZj : Drm, tjv ntjv ^Zj RvZxq km, ^Lj BZ`w` |

KwR : (1) t tn Zvc I KgPw³ eP Kti; (2) Pvovi gmYZv eP Kti Ges Pgfiw cZtiva Kti |

4. wfUwgb : Drm, tjv ntjv kvKmeiR (cjs, cB, tjUm, gjv, evavKic, djKic, MwRi, gwQi DcRvZ, meR Nw BZ`w` |

KwR : (1) wfUwgb DePZv I Drv`b PqZv eP Kti; (2) Pvovi, nwo I `wZi Mvb I my'Zv i Pvi Rb` wfUwgb wv mnvqZv Kti; (3) wfUwgb G t i M cZtivaK wntmte KwR Kti |

5. L^{ib}R c`v^o: Drm₂ t₁j v n₂t₁j v gvs₁mi D₁Q₂, i₁W₂K gr₁Q₁ ,₁ov, kvgK I wSbK PY^o JeY, n₂toi ,₁ov BZ^w |
 KvR : (1) w₁tgi tL₁mv ^Z₁i tZ m₁nvh K₁i | (2) t₁t₂n bZb w₁umy Dr₁v` tb mnqZv K₁i ; (3) n₂o, `w₁Zi M₁b I c₁o m₁ab K₁i ; (4) i³ Rg₁U ev₁tZ m₁nvh K₁i |
 6. c₁nb : Drm₂ t₁j v n₂t₁j v miei₁nKZ c₁nb, K₁P₁N₁m, kvKmei₁R |
 KvR : 1) Z₁cgv₁^v w₁bq₁s;Y I Lv^w c₁vi cv₁K m₁nvh K₁i ; (2) Lv^w t₁K `exfZ Ki tZ m₁nvh K₁i ;
 (3) tK₁oK₁N₁b^w t₁K₁i ; (4) t₁t₂n i^w Z c`v^ogj g¹ I N₁tgi AvK₁i tei K₁i t₁q |

D₁tj E th wSbK, kvgK, tQ₁U g₁Q, K₁Kov, tK₁P₁, tcvKvg₁Ko, Rj R D₁W^w BZ^w n₁ftmi w₁c₁o Lv^we^w |

m₁g c₁o D₁r₁v₁b :

n₁um-gj Mi m₁g Lv^w Dc₁t₁i D₁W^wZ m₁Kj c₁o D₁r₁v₁b m₁W₂K Ab₁ciZ Ab₁h₁q₁x we^wg₁b _₁f₁K | G Lv^w n₁um-gj Mi Rb^w L₁eB c₁q₁Rb |

c₁Wx I D₁W^w i c₁o i c₁q₁RbxqZv :

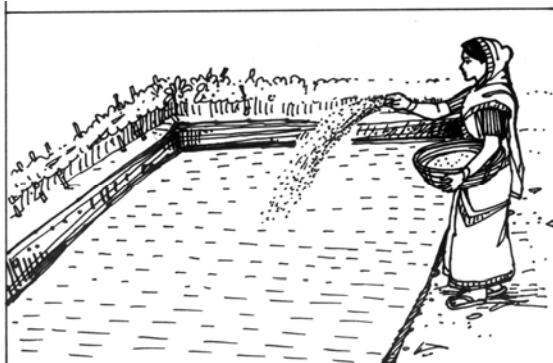
g₁b₁l, c₁i -c₁W₂ I D₁W^w c₁o Z₁t₁KiB Rx₁b Av₁Q | Z₁B Z₁t₁i Lv^w i c₁q₁Rb n₁q | Lv^w M₁Y K₁i c₁Z₁U Rx₁tei₁ _₁f₁K | w₁K₁' G Lv^w GKRvZxq c₁o D₁r₁v₁b _₁K₁j G₁t₁i e₁W₂ f₁t₁j v n₁ b₁| Z₁B Rx₁tei Z₁v c₁Wx I D₁W^w i Rx₁bP₁ m₁p₁f₁t₁e c₁vi P₁j b₁i Rb^w m₁Kj c₁o D₁r₁v₁b t₁j vi GK₁Ui Af₁e Ab₁W₂ 0₁i v c₁Y m₁g b₁q | m₁g g₁b₁q c₁o D₁r₁v₁b t₁j v Lv₁ q₁t₁j c₁i t₁f₁K g₁sm, P₁gov I `p, n₁um-gj Mi t₁f₁K w₁g | g₁sm Ges D₁W^w t₁f₁K dj, dj I Kv₁ f₁t₁j v c₁l q₁v h₁q | AZGe, c₁Wx I D₁W^w c₁o i c₁q₁RbxqZv Ac₁vi m₁g |

c₁W- 6 : m₁ox₁t₁K Lv^w

Avg₁i tRt₁bQ D₁W^w Z₁t₁i c₁o D₁r₁v₁b t₁j v g₁W₂, c₁nb I ev₁q₁t₁f₁K M₁Y K₁i _₁f₁K | w₁K₁g₁Q I c₁i c₁W₂
 tK₁v t₁f₁K Z₁t₁i Lv^w M₁Y K₁i _₁f₁K? D₁E₁t₁i e₁e A₁k RvZxq Lv₁i `v₁b₁v₁ Lv^w t₁f₁K | w₁K₁g₁G Lv₁i
 Lv₁ q₁i c₁i g₁Q, c₁i -c₁W₂ t₁f₁K K₁W₂ t₁f₁K d₁b c₁l q₁v h₁q b₁| Z₁B g₁Q I c₁i c₁W₂ t₁f₁K `Z I A₁aK Dr₁v b
 t₁f₁Z c₁W₂ Z Lv₁i i c₁kv₁c₁W₂ bB w₁KQzA₁W₂i³ Lv^w miei₁n K₁v n₁q | G Lv^w B n₂t₁j v m₁ox₁t₁K Lv^w |

gr₁Q₁ i m₁ox₁t₁K Lv^w :

i ag₁W₂ c₁K₁ZK Lv^w gr₁Q₁ Dr₁v b Av₁b₁j e n₁ b₁| m₁i c₁q₁M K₁i ch₁FB c₁K₁ZK Lv^w i th₁M₁b w₁t₁j
 Z₁t₁ZI gr₁Q₁ c₁W₂ c₁Y^oc₁o m₁ab n₁ b₁| A₁aK Dr₁v b t₁f₁Z n₂t₁j c₁K₁i c₁Z₁b w₁bq₁g₁Z m₁ox₁t₁K Lv^w
 miei₁n K₁i Z n₂t₁e| GRb^w c₁K₁i t₁f₁K 30-40W₂ g₁Q a₁i Mo I Rb tei K₁i c₁K₁i i me gr₁Q₁ Av₁g₁W₂ b
 tg₁U I Rb w₁bq₁ K₁i Z n₂t₁e| c₁K₁i A₁W₂Z gr₁Q₁ tg₁U I R₁t₁b₁ kZKiv 2-3 f₁M n₂t₁i c₁Z₁b Lv₁i t₁q₁
 D₁PZ| A₁W₂ t₁K₁t₁b₁ c₁K₁i me gr₁Q₁ tg₁U I Rb 100 t₁K₁R n₂t₁j H c₁K₁i ^ w₁K 2-3 t₁K₁R n₂t₁i Lv₁i w₁t₁Z
 n₂t₁e| w₁g₁ie c₁W₂ b I c₁vi g₁Y Ab₁h₁q₁ m₁ox₁t₁K Lv^w ^ Z₁i K₁v th₁Z c₁ti :



॥P̄ī : cK̄t̄i m̄sūt̄ K Lv̄ " t̄ I qv nt̄"Q

Dcv`vb	cwi grY
P̄t̄j i Kw	50%
m̄wi l vi ^Lj	45%
wPUv_o	05%

KwC RvZxq gr̄t̄Qi Rb̄ : mgcwi grY P̄t̄j i Kw, M̄gi f̄ym Ges m̄wi l vi ^Lj GK̄t̄ ̄ḡw̄k̄t̄q KwC gr̄t̄Qi Lv̄ " Zwi Ki v h̄q | GRb̄ ^Lj 12 N̄Ev Av̄t̄M w̄f̄wR̄t̄q i vL̄t̄Z nq | w̄f̄Rv ^Lj , Kw Ges f̄ym GK̄t̄ ̄ḡw̄k̄t̄q t̄QvU t̄QvU ēt̄j i ḡt̄Zv ew̄b̄t̄q cK̄t̄i t̄ I qv nq | c̄l̄q̄vRbxq tḡvU Lv̄vi `Bf̄v̄M f̄M K̄t̄i GK f̄M mK̄t̄j Ab̄ f̄M wēt̄K̄t̄j w̄t̄Z nq | c̄l̄Zw̄b GKB mḡt̄q w̄b̄w̄ ̄RvqM̄q Lv̄ " w̄t̄Z nq | ḠZ gr̄t̄Qi Lv̄ " M̄t̄Y myeav nq |

t̄cv̄v gr̄t̄Qi Rb̄ : w̄ḡin P̄t̄j i Kw, M̄gi f̄ym, m̄wi l vi ^Lj , w̄dk̄w̄gj I Mew̄ c̄i i i^3 t̄ I qv nq | w̄b̄t̄P G Lv̄ " Zwi i bḡb̄v Ab̄c̄v̄Z t̄ I qv nt̄j v N̄

$$m̄wi l vi ^Lj + c̄i i^3 = 1 t̄KwR + 1 t̄KwR$$

$$m̄wi l vi ^Lj + Kw + c̄i i^3 = 5 t̄KwR + 3 t̄KwR + 2 t̄KwR$$

$$m̄wi l vi ^Lj + Kw + w̄dk̄w̄gj = 4 t̄KwR + 3 t̄KwR + 3 t̄KwR$$

$$Lv̄ " t̄j v G Ab̄c̄v̄Z ̄ḡw̄k̄t̄q c̄l̄Zw̄b cK̄t̄i 2 evi w̄QvUt̄q w̄t̄Z n̄te |$$

॥Ps̄woi Rb̄ : ॥Ps̄woi Rb̄ 1 t̄KwR m̄sūt̄ K Lv̄ " i w̄f̄b̄w̄Dcv`vb I cwi grY N̄

Dcv`vb	cwi grY
P̄t̄j i Kw ev M̄gi f̄ym	500 M̄g
m̄wi l vi ^Lj	150 M̄g
t̄w̄K̄i w̄b̄/w̄dk̄w̄gj	250 M̄g
k̄gK-w̄Sb̄t̄Ki t̄Lj t̄mi w̄b̄	95 M̄g
j eY	3 M̄g
w̄f̄Uw̄gb w̄gk̄Y	2 M̄g
tḡvU	1000 M̄g

KwR : w̄k̄t̄K w̄k̄t̄v_xP īt̄K ` j xqfv̄te ॥Ps̄woi Rb̄ 10 t̄KwR m̄sūt̄ K Lv̄ " i 1w̄Zw̄j Kv t̄cv̄v t̄i

w̄j w̄cew̄w̄ Ki t̄Z ej t̄eb |

CW-7 : cī i m¤úit K Lv` "

Avgit` i t_‡k Lo, fym, Kdov, Pj, Mg, ^Lj, M‡Qi cvZv, Nvm, AwMvq BZ`w cī Lv` " wntmte eñenvi Kiv n‡q _‡K| KwPv Gme Lv` " Mew` cī t_‡K KwPv Z Dcv` b cvl qv hvq | ZvB Mew` cī t_‡K m¤úit K Lv` " t_‡L qv nq| m¤úit K Lv` " KKv, AvgI, Pw© LwR c`v^I cwb G 6wU Dcv` wb weñePbvq t_‡L ^Zvi Kiv nq| Avgit` i t_‡k RbVq Ggb KwQz Nvm thgbÑ Bicj Bicj, tblicqvi, cviv, RgB, Mb BZ`w Ges tLmwi, KvDlic, gvmKv vB, fEv cFvZ m¤úit K Lv` " wntmte cī t_‡K LvI qvtbv nq| cÖZvU MvfxtK wbtgrë3 n‡i ^wBk my g Lv` " LvI qvtZ n‡eÑ

Dcv` wb	cvi gvY
meR KvPv Nvm	15-20 tKwR
t KvI Lo	3Ñ5 tKwR
`vbr` vi Lv` " wgtY	2Ñ3 tKwR
jeY	55Ñ60 Mg

`vbr` vi Lv` " i t_‡t_‡ cÖg 3 wj Uvi `jai Rb" 2 tKwR `vbr` vi Lv` " w‡Z n‡e| cieZPcÖZ 3 wj Uvi `jai Rb" 1 tKwR AwZvi^3 `vbr` vi Lv` " w‡Z n‡e| hv Mi‡K iaymeR Nvm I Lo LvI qvtbv nq Z‡e cÖZ 100 tKwR ^wK I R‡bi Rb" 3 tKwR Nvm Ges 1 tKwR Lo w‡Z n‡e| Avevi iayNvm LvI qvtj cÖZ 100 tKwR I R‡bi Rb" 6 tKwR Nvm w‡Z n‡e| iayLo LvI qvtj cÖZ 100 tKwR I R‡bi Rb" 3 tKwR Lo w‡Z n‡e|

m¤úit K Lv` " wntmte `vbr` i Lv` " wgtYÑ

Dcv` wb	cvi gvY
Ptj i Kdov	2 tKwR
M‡gi fym	5 tKwR
fEv fv½v	1.8 tKwR
wZj ev ev` vg ^Lj	1 tKwR
jeY	100 Mg
LwR wgtY	100 Mg
tgvU	10 tKwR

KvR : KwPv KwPv_xP‡K `j xqfvte 2 tKwR `vbr` vi Lv` " ^Zvi Kivi tKškj tcv÷v‡i Dc^-vcb Ki‡Z ej ‡eb |

CW-8 : num-gj Mi m¤úit K Lv` "

ejvj ‡k MgY cvi ‡ek Qiv Ae^-vq thme numgj M cvi v nq tm,tj v wbtRiv hZUKz m¤e Lvvi Lvq Ges G‡i‡K iagv† Pv‡j i Kdov mieivn Kiv nq| G‡Z num-gj M cijónxbZvq tfvtM| GQivv Lvgti Lvvi Dchj^3 gv†vq mieivn bv Kitj I num-gj M cijónxbZvq tfvtM| dtj num-gj M t_‡K KwPvZ dj b thgbÑ Mg,

gism cvl qv hvq bv| GRb" i tK 6wU cjo Dci` vb (kKv, Avgl, Pne, wfUngb, LbR, cwb) mgv Lveri
vnmtte mieivn Kiv nq| GUvB nm-gj Mi mgu K Lv`" | mgu K Lv`" `vbv RvZxq | Auk RvZxq Lv`"
iLtz nq| wP evos-l tj qvi gj Mi mgu K Lv`" i Zwi Kv t` Lv` nv :

(K) 8N16 mBn eqfmi evos— gj Mi Rb" :

Dci` vb	cvi gY
Mg f0v	50 fM
Mtgi fym	10 fM
Ptj i Kdv	16 fM
i lK gvtqi , dv	9 fM
Wtji ^Lj	12 fM
WSbjKi , dv	2.5 fM
jeY	0.5 fM
tgvU	100 fM

(L) 16 mBn eqfmi tevk tj qfti i Rb" N

Dci` vb	cvi gY
Mg f0v	46 fM
Mtgi fym	10 fM
Ptj i Kdv	15 fM
i lK gvtqi , dv	10 fM
Wtji ^Lj	15 fM
WSbjKi , dv	3.25 fM
jeY	0.5 fM
wfUngb wgbvij	0.25 fM
tgvU	100 fM

cZwU tj qvi tK ^ wK 110N120 Mq Lv`" w tZ nte| mt½ wfUngb | LbR mgkY w tZ nte|

KvR : wKPK wKQv_xP ti ` j xqfvte 1 tKvR mgu K Lv`" ^Zwi , Lv`" DcKiY | cvi gYmn GKU tcv÷vi
^Zwi Ki tZ ej teb|

cW-9 : ^Re mvi

Avgiv I o tkvYtZ mfti i cKvi f` | wefb^Re mvi mgu K^RtbeQ | Gefti Avgiv ^Re mvi ^Zwi | Zwi
eenvi mgu K^Rtbe | gwUtZ ^Re mvi eenvt i N

- (1) ḡmU‡Z ^Re c`‡_P cwi ḡY eP̄c̄ c̄q; (2) ḡmU i †f§Z, i m̄qibK I ^RieK , Y,‡Yi Db‡Z nq; (3) ḡmU^- AYRxei KvhFwj eP̄c̄ c̄q; (4) ḡmU c̄wb avi Y¶gZv eP̄c̄ c̄q; (5) ḡmU †_‡K c̄oi AcPq Kg nq; (6) ḡmU DePZv evto; (7) ḡmU mshy^3 i Db‡Z nq; (8) dmtj i dj b, Drcv` b I , YMZgib eP̄c̄ c̄q; (9) ḡmU c̄wi †ek Db‡Z nq |

KvR : KwPvK KwPv_i KtqKwU `‡j wef^3 Kti 0^Re mvi een̄tii i DcKwZw wef tq tkwytZ wj L‡Z w`‡eb Ges `j MZfvte Zv Dc^-vcb Kiv eee^-v Ki‡eb |

Gevi Avgiv ^Re mvi wntmte K‡xúv÷ mvi , meR mvi I ^Lj ^Zwi wbtq Av‡j vPbv Kie |

K‡xúv÷ ^Zwi : Mew` ci i DwQÓ, LoKUv, wePvbaeKvi KwleR®, AwMv, KPvci bv cPvZ Lvvi cÖv2‡Y -ti -ti mwRtq AYRxei mwntq th mvi ^Zwi Kiv nq, ZtK K‡xúv÷ mvi ej v nq | KvRB AtbK, †j v Rlbm GK‡† cPvq ev KLtv KLtv GKvUgv† Dcv`vb 0vvl K‡xúv÷ ^Zwi Kiv hvq | `ju cñwZ‡Z K‡xúv÷ ^Zwi Kiv hvq | h_Ñ (K) -e cñwZ; (L) cwi Lv cñwZ |

GLvtb Avgiv cwi Lv cñwZ‡Z K‡xúv÷ mvi ^Zwi m¤utK®vbe |

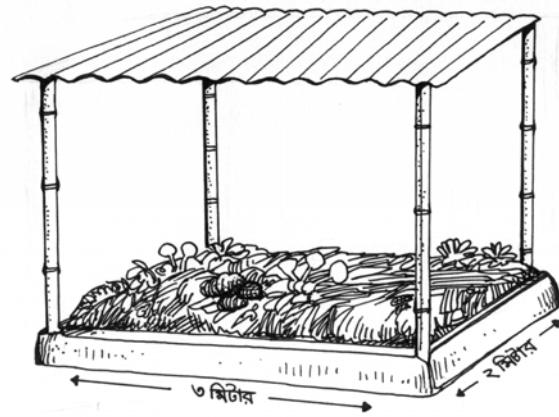
cwi Lv cñwZ‡Z K‡xúv÷ ^Zwi : cwi Lv cñwZ‡Z mvi v
eQi K‡xúv÷ ^Zwi Kiv hvq | G cñwZ‡Z mvi ^Zwi i
wbgvej x

1. cÖ‡tg GKvU DPz^-vb wbePb KitZ nte; (2)
wbePZ^-vb 3 mgUvi ^N® I 2 mgUvi cÖ'
I 1.2 mgUvi Mfxi Zv wekó cwi Lv Lbb
KitZ nte; (3) Gfvte 6vU cwi Lv cikvcmk
Lbb KitZ nte; (4) cwi Lv Dci Pjv i
eee^-v KitZ nte; (5) cPvU cwi Lv -e
cñwZi bvg AveR®, LoKUv, j Zvci Zv,
tmvi w`‡q chqutg mwRtq nte Ges GKvU
cwi Lv Lwj _vKte; (6) cñwZU cwi Lv AveR®v -e feP n‡Z 30 tmig DPz nte; (7) Pvi mBvn ci
wbKUeZ®cwi Lv K‡xúv÷ Lwj cwi Lvq -'vbvsi KitZ nte; (8) Gfvte K‡xúv‡i Dcv`vb, †j v
I j Ucvj U KitZ nte | d‡j Dcv`vb, †j vi cPbvupqvl Zi wS^Z nte;

2. 2-3 gvtmi gta^ Dcv`vb, †j v m¤uYc‡P K‡xúv÷ ^Zwi nte |

K‡xúv÷ m‡i i DcKwZv : K‡xúv÷ mvi een̄tii Ñ

- (1) ḡmU DePZv I Drcv` b k‡_P eP̄c̄ c̄q; (2) ḡmU‡Z cijó Dcv`vb h‡P nq; (3) ḡmU^- cijó Dcv`vb
msi ¶Y KitZ; (4) ḡmU mshy^3 i Db‡b N‡U; (5) ḡmU c̄wb avi Y¶gZv I evqy Pj vPj evto; (6)
ḡmU^- AYRxe, †j v wPqvkaqj nq |



MP† : cwi Lv cñwZ‡Z K‡xúv÷ ^Zwi

cW-10 : meR mvi ^Zwi

RungfZ th tKvfbv meR DifmC Rulgq KfP Ae-`vq Rung Pvl Kf i gwUj i wfP tfj cWPq th mvi cÖ' Z Kiv
nq, Zvfk meR mvi ej | aBAv, tMgUi, ei eU, kb, Kj vB Gme dmj Øviv G mvi ^Zwi Kiv hvq |

1. cötg Gme dmtj i th tKtbv GKU RgZ PvI KitZ ntē | dj Avmvi AvM Zv gB w tq gwUi mt_ tgktZ ntē;
 2. Zv*i*ci Av*I* 3-4 evi PvI | gB w tq gwUi Ij UcjU KtI gwUi mt_ ftjvfute tgktj 2 mBtni gtā” mxuYCtP hq;
 3. meR mvi thLtb ^Zvi nq tmLutB eüZ nq |

mejR mvi wntmte aBÂv PvI I mvi cÖ' wZ :

1. th tKvibv RwgZ 2/3 wPvl w`tZ nte;
 2. Pvl KZ RwgZ cÖZ kZtK 70 Mö dmtdU I 50 Mö cUvk wQUtZ nte;
 3. Zvi ci cÖZ kZtK 200 Mö Kti aBÄv exR ecb Ki tZ nte;
 4. exR ectbi cÖq AvovB gwimi gta" MvQ dj Avmv ii"Ki te;
 5. G mgq j v½j w tq Pvl w tq MQ, tj v gwUi wbtp tdj tZ nte | MQ j s^y ntj Kv^- - ev ` v w tq tKtU tQvU Kti Rwg Pvl Ki tZ nte;

meR mvti i DcKwi Zv : meR mvi e"envti N

1. gʷʰUi DeɸZv eɪɸo;
 2. gʷʰUɸZ cɸi ^Re c`v_ɸhM nq;
 3. gʷʰUɸZ bVbɸUɸRɸbi cwi gVY eɪɸcVq;
 4. gʷʰU-’ AYRɸtei Kɸhɸej eɪɸcVq;
 5. gʷʰU-’ cɸó Dcɪ`vb msɪɸY Kɸi;
 6. gʷʰUi ^RneK cwi tɛk Dbɸ Kɸi |

^Lj ^Zwi : tZj exR n‡Z tZj tei K‡i tbqvi ci th Ask Aenikó _v‡K Zv‡K ^Lj etj | mvi I tMvLv``
n‡nt‡te ^Lj e‰eüZ n‡q _v‡K | newfbœi Kg tZj exR t‡K newfbœi K‡gi ^Lj cvl qv hvq | thgbÑ Zj v exRi
^Lj, mvi Ivi ^Lj, ev †gi ^Lj, wZ‡ji ^Lj, wb‡gi ^Lj, wZumi ^Lj BZw` | G ai †bi m‡ti bvB‡U‡Rb
teiK v‡K | G mvi fv‡i fv‡te, ov K‡i Rv‡Z e‰envi Ki‡Z ng|

KvR : ɯkΠK tkɯM KtΠ ɯKQz cwi gY Ktꝝuv ÷ mvi ɯb tq Awt̄eb | ɯkΠv_ɯP i KtqKwU `tj fM Kti D³
mvi _tj v w̄e` vj tqi eMwb ev Ute Zv̄t` i Өiv c̄qM Kivi ēe` v Kit̄eb | GtΠt̄i ɯkΠK c̄qut̄Mi ɯbqgwevij
ɯkM t̄q t̄feb |

A few

KvR : ॥**¶K ¶V** ॥**¶i KtqK `tj** ॥**f³** **Kti cwi Lv cñZtZ Ktqxúv ÷ ^Zwi i** ॥**PñZ PñI** ॥ **Ktqxúv ÷**
mñti i eñenvi mñxúKZ GKñU tcv ÷ vi ॥**Zwi KiñZ ej teb |** ॥**¶K tm ,tj v gj vqb Kiñteb |**

cW-11 : ^Re | Ai vvvqbK evj vBvktKi cwi wPwZ

ej vBbvkK tK ej v nq bxi e NvZK | ej vBbvkK ntj v ^Re, AivmvqibK Ges ivmvqibK | ivmvqibK ej vBbvkK
cijqtm cwi teki Pig ¶Z nt"Q | G ¶Z tKtbrfiteB cij t q tbqv mœe bq | ej vBbvkK gvit B weI | weI
cijqtm thme dmj Drcw Z nq ZvI weI | weI kāUv thgb AvZ½ tZgwb Zvi fquenZvI gvi vZK | KvitRB
cwi tek tK ePvtZ ntj Ges weI gy³ dmj dj vtbvi Rb" ^Re | AivmvqibK ej vBbvkK eenvi Kiv DwPZ | th
me ej vBbvkK newfbœcKvi Dw"m im vbhñm cñYR DcRvZ Ges newfbœcRweK KjvitKskj t tK ^ZvI Kiv nq,
ZvI t tK ^Re | AivmvqibK ej vBbvkK etj | Gtmv Avgiv ^Re | AivmvqibK ej vBbvkK mœutK®Rwb |

(K) ^Re ejvBbkK :

1. GjvḡEv Mv̄Qj v̄bh̄m Q̄v̄K bv̄kK v̄nt̄m̄te ēenvi Kiv h̄q;
 2. īmt̄bi v̄bh̄m Q̄v̄K I ēv̄K̄Uvi qv bv̄kK v̄nt̄m̄te ēenvi Kiv h̄q;
 3. v̄btgi v̄bh̄m (Qvj , cvZv, dj I dj) RxevYbv̄kK v̄nt̄m̄te ēenvi Kiv h̄q | īKtbv v̄bgcvZvi , v̄ exR dmj, `vgRvZ k̄tm̄i mv̄_ v̄gikZ K̄ti KxUcZt̄½i Av̄ugY n̄Z t̄n̄B cvl qv h̄q | v̄btgi t̄Zj I ^Lj dmt̄j i ḡjj i Kxgbv̄kK | thgb : v̄bgv̄emWb;
 4. ZvgvK cvZvi v̄bh̄m 0ib̄Kv̄Ub mv̄ t̄dU0 ēenvi K̄ti dmt̄j i Kv̄E ev cvZvq KxUcZt̄½i Av̄ugY t̄va Kiv h̄q;
 5. gj̄Mi cPbKZ wēv̄ I m̄vi l̄vi ^Lj ēenvi i ḡva "tg wēfbam̄R dmt̄j i gw̄Uew̄Z t̄M `gb Kiv h̄q;
 6. m̄vi wēUi v̄kKo t̄_K Av̄vi Z jvB̄gv ēv̄K̄Uvi qv c̄Rw̄Z Dw̄M̄t̄ i gw̄Uew̄Z 0W̄w̄p̄us Ad̄ t̄M `ḡtb GKv̄Kv̄i ēv̄K̄Uvi qvq | Gv̄U tcv̄K Dw̄M̄c , h̄v̄N cv̄j skv̄K I m̄vi wēUi v̄kKoĀt̄j hȳ n̄q K̄t̄j v̄b ^Zvi K̄ti Ges RxevYbv̄kK Gv̄Uer̄qv̄UK v̄btmi t̄Yi ḡva "tg Dw̄M̄t̄ t̄M `gb K̄ti _v̄K;
 7. UvB̄t̄Kv̄vi gy RvZvq c̄Rw̄Z ēv̄K̄Uvi qv I Q̄v̄Kbv̄kK v̄nt̄m̄te ēeuZ n̄q;
 8. wēfbam̄t̄bi RxevYm̄vi c̄qM K̄ti Q̄v̄K I ēv̄K̄Uvi qv n̄Z t̄n̄B cvl qv h̄q |

(L) Ai umvqibK evj vBbvkK :

- avtbi ciZvi jvj tP tiLv tiM gβ Ki‡Z ntj avtbi exR 54⁰ tm: Zicgv†vq cwb‡Z 15 wgbU wfwR‡q tiL exRevwZ tiM e„K‡Uwi qv † Kiv hvq;
 - Rve tcvKv `g‡b tj „WeW®eUj tcvKv Wj I tZj RvZxq dmtj e„Kiv hvq;
 - dmtj i ¶‡ZKi tcvKv `g‡b tcB‡s g‡vb‡Uf Gi msLv evov‡bv hvq;
 - Wwj g dtj i Pviw †K cvZjv Kvco w‡q tX‡K w‡tj tcvKv Wwj g‡K AvµgY Ki‡Z cv‡i bv;
 - Rug‡Z m‡g mvi e„envi Ki‡j tcvKgvKo I t‡MRxevYyA‡bK Kg nq;
 - tcvKv Avkq-`j ntj v AµMQu| Kv‡RB Rug t‡K memgq AµMQu cwi®<vi i‡L‡Z n‡e;
 - Av‡j vi d‡` tc‡Z c‡Yeq- < tcvKv at‡i tdjv ev tg‡i tdjv;
 - n‡Z Ryj e„envi K‡i tcvKv at‡i tdjv;
 - Rug‡Z M‡Qi Wj ev eu‡ki Kv‡A ct‡Z cwl ewm‡q tcvKv Lvl qv‡bv e„e-`v K‡i;
 - avb t¶‡Z g‡Qi PvI K‡i;
 - dmj msMöni ci bwov c‡otq tdj‡Z n‡e;
 - Kj g Pviv e„envi i gva‡g te,b I UtgtUvi e„K‡Uwi qv DBë tiM `gb Kiv hvq;
 - td‡i v‡gb I wgmó Kgovi d‡` e„envi i gva‡g Kgovi RvZxq dmtj i gwQ, tcvKv `gb Kiv hvq;

14. tgnMwb dj t_‡K msMpxZ wbh  I tZJ tfIR KxUbvkK m t te e envi I c qM Kiv nq;
15. ci Rxex tcvKvi msL  ej  Kti | thgb  tbKto gyKomv, Nmcd os, W g mj gwQ, w gi WeM BZ ;
16. R g Z e #oi msL  ej  Kti |

KwR :    K    i    i j xqf te i    bK I A i    bK evj vBbvkK m eari | Am ear, t j v w L Z ej  eb |

cW 12 : KwL t Z i    bK evj vBbvkK e en ti i Kdj

e icKf te i    bK evj vBbvkK e en ti i Kvi t Y KwL t Z m eari tP q Am ear te k nq | KwL t Z Gi Am ear ev    ZKi w K, t j v nt j v 

1.    b e en ti i dt j km  t   Z evj vB ev KxUcZ 1/2 evj vBbvkK t K evav v bi    Zv AR  Kti | dt j H evj vBbvkK w t q Avi w b    KxU ev evj vBt K a sm Kiv h q bv;
2. Awakvsk KxUbvkK c   KZK    Kvi Rxex I g   Kvi DcKvix AYRxe, t j v K a sm Kti t d j ;
3. km  t   Z c   MKZ KxUbvkK I evj vBbvkK t p m g b Ask (1% ev Gi KivKwQ) Kw   Z KxU ev evj vBt qi Kv Q t   Z c ti ;
4. c   MKZ i    bK evj vBbvkK t p m g b Ask evZv m, f -c t oi c   t Z, f -M f  c   t Z Ab   ek Kti Ges Rxtei Lv  P   t u X   K c to;
5. evj vBbvkK g   Kvi M b c   q t K e n Z Kivi gra t g g   Kvi De   Zv nm  Kti ;
6. i    bK evj vBbvkK Rxex ^ev t t K a sm Kti ;
7. i    bK evj vBbvkK m   f te c   KZK c i  et ki    Zm ab Kti ;

KwR-1 : m   t j    K KxUcZ 1/2 g t b Lv  K, tcvKvgvKo e envi, ni  g b d , Avt vi d  I i    bK evj vBbvkK t K e envi w vWI /Q e/tcv vi bg bri m n th  t  Lv eb |

KwR-2 :    K    i GKKf te  i    bK evj vBbvkK e en ti i Kdj    t q tcv vi A   b Kti t eb ej  eb A_ev w L Z ej  eb |

A_ev

KwR-1 :    K    i AcKvix ev    ZKi tcvKv Lv  K tcvKv I c   Li b t gi GKvU Z   j Kv ^Zv Kti t Z ej  eb | G KwR-1    i j xqf te m   bKvi e e v Kti t eb |

KwR-2 :    K    i Kt qKvU ^t j    f 3 Kti ^Re I A i    bK evj vBbvk Kti R   v w t Z ej  eb |

Abkjbx

Kb̄-vb̄ c̄Y

1. D̄m̄c̄ c̄j̄ Dc̄`vb̄, t̄j̄ v̄K c̄j̄ Dc̄`vb̄ ēj̄ |
2. c̄Z̄U t̄j̄ q̄v̄ t̄K ^`vb̄K M̄g L̄`" w̄ t̄Z̄ n̄ē |
3. M̄nc̄w̄j̄ Z̄ c̄ī L̄`" c̄j̄ Dc̄`vb̄ _v̄K̄` ī K̄ī |
4. c̄n̄Z̄ t̄Z̄ K̄t̄p̄w̄v̄ ^`Z̄w̄ K̄ī h̄q̄ |

Wgj KiY:

eigcik	Wbcik
1. Wj , ^Lj , ī v̄K̄ , v̄v̄	Aw̄ Rv̄Z̄q̄ c̄j̄ Dc̄`vb̄
2. b̄B̄t̄Ūt̄Rb , K̄v̄ w̄mq̄g	K̄w̄ ḡ Drm
3. ^Re I ī v̄mq̄b̄K̄ v̄v̄	c̄j̄ Dc̄`vb̄
4. KuPv N̄v̄, gj̄v̄, M̄Ri	Aw̄ḡI kK̄v̄

ēn̄beP̄vb̄ c̄k̄e:

1. D̄m̄t̄` ī c̄j̄ Dc̄`vb̄ Kq̄w̄U?

K. 11	L. 14
M. 17	N. 20

2. D̄m̄t̄` K̄v̄ēb̄ I n̄B̄t̄W̄t̄Rb N̄Ūw̄Z̄ c̄t̄Y c̄q̄v̄Rb-
 - i. c̄w̄b̄
 - ii. ḡw̄U
 - iii. ev̄q̄y

vb̄t̄Pi t̄K̄b̄w̄U m̄w̄K̄?

- | | |
|-------------|----------------|
| K. i ii | L. i iii |
| M. ii iii | N. i, ii iii |

vb̄t̄Pi Ab̄t̄Q̄`w̄U c̄t̄o 3 | 4 b̄x̄^i c̄k̄e D̄Ēi `v̄l̄ :

m̄j ḡv̄ b̄Z̄b̄ ḡj̄w̄ P̄w̄l̄ , t̄m̄ w̄ḡ Dc̄`t̄bi Rb̄ ev̄Rvi t̄_t̄K̄ 18 w̄Ū ḡj̄w̄l̄ ī 6 t̄K̄w̄R̄ ḡj̄w̄Mi L̄`" w̄K̄t̄b̄
 Aw̄t̄b̄ | w̄K̄s̄f̄` w̄b̄ c̄ī t̄m̄ j̄P̄ K̄ī j̄ḡj̄w̄ Mi w̄t̄gi t̄L̄mv̄, t̄j̄v̄ tek big c̄K̄Z̄ī , d̄t̄j̄ t̄m̄ w̄P̄w̄j̄ Z̄ n̄t̄q̄ c̄t̄o |
 3. b̄-b̄Z̄ḡ n̄t̄ī L̄`" L̄v̄l̄ q̄t̄j̄ m̄j̄ ḡv̄ p̄q̄K̄Z̄ L̄`" ḡj̄w̄, t̄j̄ v̄K̄ K̄q̄w̄ b̄ L̄v̄l̄ q̄t̄Z̄ c̄v̄t̄e?

- | | |
|------|------|
| K. 1 | L. 2 |
| M. 3 | N. 4 |

4. m^{ij} g^{vj} gj^{wj} Mi w^{Wj} Drc^v t^b m^o mgm^v mgvai^{t^b} Lv^v thM Kⁱ t^Z n^{te}-

- | | |
|---------------------------------------|-----------------------|
| K. ^Lj | L. Wj PY [©] |
| M. f ^{Wj} f ^{Wj} ov | N. j eY |

mRbkxj c^{ök}e

1. mi`vi cvo^v M^{öt}gi K.I.K n^{wd}R 20 kZisk R^ug eM^Pib^{t^b} avb PvI iⁱ"Kⁱ j[¶] Kij avb Pviv Kuk A^{ik}vbj^v n^{ti}i MRv^{t^b}Q bv Ges R^ug^{t^b}Z tcvKvgvKo t^b Lv h^v"Q| w^{Wj}—Z n^{wd}R^{t^b}K w^{ewf}b^{t^b}R^b i^{vw}q^{ub}K m^{vi} I KxUbvkK c^{lq}q^{t^b}Mi c^{lq}gk[©] t^bj I tm tmU M^öY Kⁱ b^{wb}| dtj c^{lq}g `dvq tm mdj bv ntj I cⁱ i eQi ^Re e^ve^v'vcbv M^öY Kⁱ t^b H R^ug n^{t^b}Z K^w¶t^bZ dj AR^b Kⁱ |

- | |
|---|
| K. D ^W ^M ^{t^b} i c ^{lq} o Dcv ^v b ^v ej t ^b Z Kx tevS? |
| L. c ^{lq} i Lv c ^{lq} Z t ^b Z K ^{t^b} uv ^v ÷ ^Zwi i t [¶] ^{t^b} GKwU c ^{lq} i Lv d ^{lq} Kv i ^v Lvi c ^{lq} q RbxqZv e ^v L ^v Ki |
| M. c ^{lq} g `dvq Kx ai ^v Yi ^Re e ^v e ^v 'vcbv M ^ö Y K ⁱ t ^b j n ^{wd} R D ^W ^{t^b} Z c ^{lq} w ^v 'wZ tgvKvtejv K ⁱ t ^b Z c ^{lq} i Z Zv eY ^v Ki |
| N. n ^{wd} t ^b Ri w ^{Wj} Zxq ev ^v i i PvI e ^v e ^v 'vcbv i ^v ayc ^{lq} o Nw ^{Wj} c ^{lq} YB bq ti ^v MevjvB `g ^{t^b} B mn ^{lq} K f ^{lq} gKv t ^b L ^{t^b} Q, gj ^v qb Ki |

2. Avn^v w^{Wj}Zxqev^vi i g^{t^b}Zv em^voi cv^vki c^{lq}Z R^ugU Pv^{t^b}i Rb^v w^{Wj}K Kⁱ te^vbi Pviv t^vcY Kij | Pviv, t^bv eo ntj dj I dj Av^{t^b}m^v w^{Wj}K^s GK mgq R^ugi te^vk f^{Wj} te^vb M^öQi Kv^{t^b}U I W^{Wj}q w^{ewf}b^v e^vi K^{t^b}gi tcvKvi Dc^{lq}w^vZ t^b Lv h^vq Avi w^{Wj}K^{t^b}z w^{Wj}K^{t^b}te^v, t^b t^bQvU Kv^{t^b}j w^v¶^{t^b}j[¶] Kiv h^vq| MZ eQi GB GKB c^{lq}w^v'wZ t^bZ Avn^v KxUbvkK c^{lq}qM Kⁱ w^{Wj}Qj w^{Wj}K^s—y t^bKv^{t^b}bv DcKvi c^{lq} bvB eis A^{t^b}P AcPq ntq^{t^b}Q| ZvB Gevi tm w^{Wj}Ki Dc^{lq} L^{Wj}Z KwL KgRZ^{t^b} m^{t^b}½ c^{lq}gk[©]Kⁱ |

- | |
|--|
| K. c ^{lq} i tek ^{t^b} K ev ^v Pv ^{t^b} Z Kx ai ^v bi evj vBv ^v KK e ^v en ^v Ki t ^b Z nq? |
| L. Kx Kvi t ^b Y evj vBv ^v KK t ^b K bxi e NvZK ej ^v nq e ^v L ^v Ki |
| M. Avn ^{t^b} i me ^v R t [¶] ^{t^b} Zi mgm ^v `ixK ⁱ t ^b Yi Dc ^{lq} eY ^v Ki |
| N. c ^{lq} g evi me ^v R t [¶] ^{t^b} Z Avn ^{t^b} i M ^ö xZ c ^{lq} t ^b ci dj v ^v dj gj ^v qb Ki |

ms^{Wj}B DEi c^{ök}e

- | |
|---|
| K. AZ'ek ^v Kxq c ^{lq} o Dcv ^v b ^v ej t ^b Z Kx tevS? |
| L. D ^W ^M ^{t^b} c ^{lq} o Dcv ^v b ^v bi Drmmgn Kq ^{wU} I Kx Kx? |
| M. M ^ö u ^v K Lv ^v ej t ^b Z Kx tevS? |
| N. me ^v R m ^{vi} Kx? |

6| i Pbv^vj K c^{ök}e

- | |
|---|
| K. me ^v R m ^{vi} i DcKvi Zv eY ^v Ki |
| L. evj vBv ^v KK ej t ^b Z Kx tevS? w ^{ewf} b ^{t^b} Kvi evj vBv ^v KK t ^b Ki eY ^v `vI |
| M. KwL t ^b Z i ^{vw} q ^{ub} K evj vBv ^v KK e ^v en ^v i i ¶ ^w ZKi w ^v K D ^{t^b} j E ^v Ki |
| N. D ^W ^M ^{t^b} i RxebP ^{t^b} mu b ^v B ^{t^b} R ^b , dmdim I c ^{lq} umq ^{t^b} gi f ^{lq} gKv eY ^v Ki |
| O. K ^{t^b} uv ^v ÷ m ^{vi} ej t ^b Z Kx tevS? K ^{t^b} uv ^v ÷ m ^{vi} ^Zwi i c ^{lq} i Lv c ^{lq} Z eY ^v Ki |

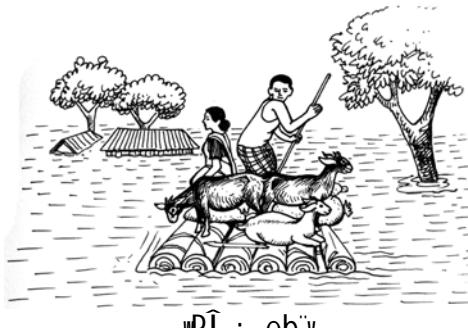
PZL ©Aa''vq

Kwl | Rjevqy

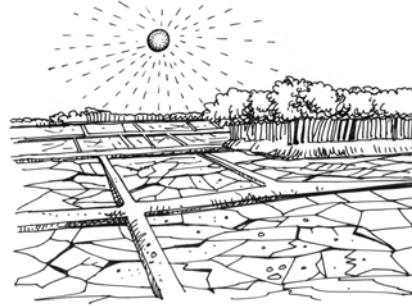
G Aa''vq cõtg Kwl tgšmg, Kwl tgšmggi ^ewkó'', iie, Lwic | tgšmg wbi tc¶ dmj Ges G me dm̄tj i ^ewkó'' wb‡q Av‡j vPbv Kiv ntq‡Q| cieZx©mg‡q dmj Drci` tb Avenvl qv | Rjevqy c‡ve eYbv Kiv ntq‡Q| cikvcwk cõZKj Avenvl qv | Rjevqy thgbÑ AñZ eñó, wkj veñó, Liv, eb'' | Rj veñZv m¤ú‡K© avi Yv cõvb Kiv ntq‡Q| G me cõZKj cwi tek dm̄tj i Kx Kx aitbi ¶ñZ nq tm m¤ú‡K©Av‡j vPbv Kiv ntq‡Q|



IP† : wkj veñó



IP† : eb''



IP† : Liv

G Aa''vq cw tk‡l Avgiv-

- Kwl tgšmggi ^ewkó'' eYbv Ki‡Z cvi e|
- iie | Lwic tgšmggi dmj w` kbv³ Ki‡Z cvi e|
- tgšmg wbi tc¶ dmj w` kbv³ Ki‡Z cvi e|
- Kwl Drci` tb Avenvl qv | Rjevqy c‡ve eñLv Ki‡Z cvi e|
- Kwl Drci` b | Kwl cwi tek wetePbvq evsj v‡ k‡K cõvb K‡qKwU Añj IPñZ Ki‡Z cvi e|

CW N1 : Kw tgšmg

I ô tk̄i Yi PZL ©Aa v̄tq Avgiv dmj Drcv` tb Avenvl qv I Rj evqj , i Zj m̄utK©RtbwQ | tKb AÂtj KLb tKb dmj Rb fte Zv bfp Kti tm AÂtj i Rj evqj Dci | ZvB tKtbv AÂj ev t` tki dmj Drcv` tbi aib I mgq Rvb‡Z ntj tm AÂj ev t` tki Rj evqj K Rvb‡Z nte| Zvcgv̄v, eócvZ, evqjv, mh‡jvK, evqjvC, evqj Av` Zv BZ w` ntj v Avenvl qv I Rj evqj Drcv` vb | G Drcv` vb tjb vB dmj Drcv` tb cfve we -vi Kti |

evsj vt` tki tfsMwj K Ae -'vb, mgj t_k D" Pzv I `+Zj, Zvcgv̄v, Av` Zv, eócvZ chfj Pb v Ki t j t` Lv hq th, evsj vt` tki Rj evqj bWZk‡Zvò ev mgfvevcb‡ cwiwgZ eócvZ, ga"g kxZKv j, Av` ©M‡SKv j evsj vt` tki Rj evqj cñvb ^eukó | G ai tbi Rj evqj Kw Drcv` tbi Rb" LéB mnvqK |

GKU dmj exR ecb t_k K i i" Kti Zvi kvi xii K evqj I dj -dj Drcv` tbi Rb" th mgq tbq ZtK H dmjtj i tgšmg etj | A_ P tKtbv dmjtj i exR ecb t_k dmj msM chS-mgq‡K tm dmjtj i tgšmg etj | evsj vt` tki Rj evqj Dci bfp Kti eQt i weifbomgtq weifbomgtq dmj Rtb‡l dmj Drcv` tbi Rb" mv v eQi tK cñvbZ `u tgšmg fM Kiv ntq‡Q; h_vN

K. i we tgšmg

L. Lvi c tgšmg

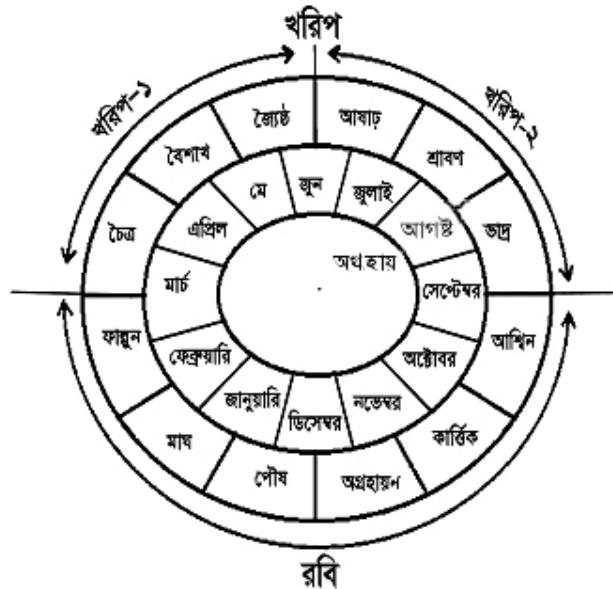
K. i we tgšmg : Awkb t_k dvép ggm chS-mgq‡K i we tgšmg etj | i we tgšmggi cõg w tK wKQz eócvZ nq, Zte Zv LéB Kg ntq _vtK | G tgšmg Zvcgv̄v, evqj Av` Zv I eócvZ meB Kg ntq _vtK |

L. Lvi c tgšmg : ^P† t_k fV` ggm chS-mgq‡K Lvi c tgšmg etj | Lvi c tgšmg‡K Awei `P fV‡M fM Kiv nq; h_vN 1. Lvi c-1 ev M‡SKv j Ges 2. Lvi c-2 ev elPKv j |

Lvi cN1 : ^P† t_k ^Rô ggm chS-mgq‡K Lvi c-1 tgšmg ev M‡SKv j ej v nq | G tgšmg Zvcgv̄v teik _vtK Ges gvtS gvtS So-eóv | wkj vevó ntq _vtK |

Lvi c-2 : Avl vp t_k fV` ggm chS-mgq‡K Lvi c-2 tgšmg ev elPKv j ej v nq | G mgq cõi eócvZ nq, evZv‡m Av` Zv teik _vtK Ges Zvcgv̄v gvtS vi nq |

th mKj dmjtj i evqj I dj -dj Drcv` b Zvcgv̄v, eócvZ, evqj Av` Zv, w tbi ^N© BZ w` Øv v evKfvt te cfweZ nq, tKej tm mKj dmjtj i B tgšmg wE K tki wefM Kiv nq | eü elPKex dmj thgb-dj R, ebR I Lvi c dmjtj i tP‡t tgšmg wE K tki wefM tZgb cõhR" bq |



WPT : Kwl tgŠmg

tk̩y̩i KvR : w̩p̩v̩_m̩v GKKf̩te K̩w̩ tg̩sm̩gi ^ew̩k̩o̩ , t̩j̩v LvZvq tj̩L Ges tk̩y̩K̩t̩ Dc̩-'vcb Ki |

bZb kā : Kwl tgšmg , i we tgšmg , Lwi c-1 , Lwi c-2 | cW-: i we tgšmfgi dmj

cW-2: i we tgšmfgi dmj

i we dmj :

thme dm̄tj i kvixw K eřř | dj -dj Drčv` ūbi ctiv ev AwaK mgq i we tgšm̄tg nq Zvč i ūK i we dm̄j
etj | i we dm̄j ūK kxZKvjb dm̄j | ejv ntq _vK | i we dm̄tj i ^eūkó" RvbčZ ntj Avgvč i i we tgšm̄tg i
^eūkó" fvčj vřvte RvbčZ ntel | i we tgšm̄tg i
^eūkó" ūtj v ntj vN

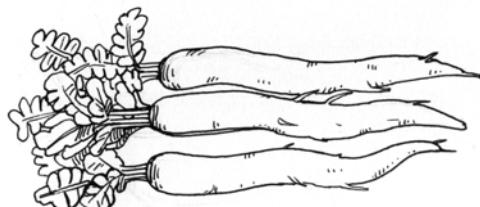
1. Zvc Kg _vK |
 2. emóciZ Kg nq |
 3. evqji Av Zv Kg _vK |
 4. Stoi Avk1/4v Kg _vK |
 5. wkj veoí Avk1/4v Kg |
 6. ebvi Avk1/4v Kg |
 7. tiW I tcvKvi AvugY Kg nq |
 8. cwb tmfPi cöqyRb nq |
 9. wv tbi tPtq ivZ eo ev mgib |



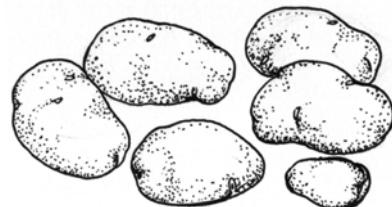
WPT : tLR*t* i i m msMö

i we tḡsm̄gi ^em̄kō" t_‡K Avgiv mn‡RB e‡‡Z cwi th, G tḡsm̄g tKib ai ‡bi dmj Rb¶q| th me dmj Pvl ver‡ i Rb" Kg Zv‡ci c‡qvRb nq tm me dmj i we tḡsm̄g Pvl ver` Kiv nq|

i we tḡsm̄g Avj y dj Kic, evavKic, gjv, MvRi , jvD, vkg, Ij Kic, teiKij , kvj Mg, cvj skvK, tc‡qvR, imþ BZ"v` D`vb dmj Pvl Kiv nq| gV dm‡j i gta" i ‡q‡Q tev‡iv avb, Mg, mvi lv, vZim, gmj , tQvj v, tLmvi BZ"v` | G tḡsm̄g tLR‡i i im msMh Kiv nq|



¶P† : gjv



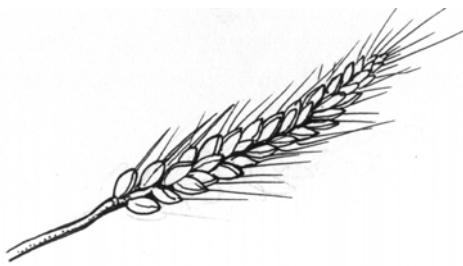
¶P† : tMvj Avj y



¶P† : evavKic



¶P† : imþ



¶P† : Mtgi vki



¶P† : tQvj v MvQ

KvR : vkv‡v PvivU `tj f‡M ntq i we dm‡j i GKvU Zwij Kv ^Zvi Ki Ges tkvNkt¶ Dc-vcv Ki |

bZþ kā : i we dmj , i we dm‡j i ^em̄kō" , i we tḡsm̄gi ^em̄kō" |

CW- 3 : Lwic tgšmtgi dmj

th me dm̄tj i kv̄i K ēr̄ | dj -dj Dr̄c̄` t̄bi c̄jiv ev AwaK mgq Lwic tgšmtg nq Zv̄t` i t̄K Lwic dmj etj | Lwic dm̄tj i ^ēlkó" Rvb̄tZ nt̄j Avḡt` i Lwic tgšmtgi ^ēlkó" Rvb̄tZ nt̄e | Lwic tgšmtgi ^ēlkó", t̄j v nt̄j vN

1. G tgšmtg Zvc tēlk _v̄tK |



WP̄ : tgNj v AvKv̄k

2. ēlócvZ tēlk nq |

3. evqj Av̄ Zv̄ tēlk _v̄tK |

4. Stōi Av̄k½v tēlk _v̄tK |



5. w̄kj vērói Av̄k½v tēlk |

6. eb̄vi Av̄k½v tēlk _v̄tK |



WP̄ : N̄YSO

7. tīM I tcuKvi Av̄ugY tēlk nq |

8. c̄wb tm̄tPi t̄Zgb c̄q̄Rb nq bv̄ |

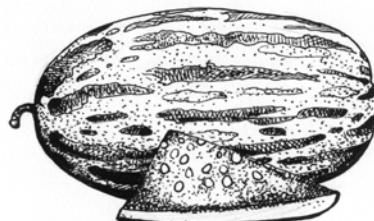
9. w̄tbi ^N̄o i v̄tZi ^t̄N̄i mgub ev tēlk |

th me dmj Pv̄lvet` i Rb̄ tēlk Zv̄tci c̄q̄Rb nq tm̄ me dmj Lwic tgšmtg Pv̄lvet` Kiv nq | Lwic tgšmtg K Avevi `B fvtM fM Kiv nt̄qtQ; h_vN

Lwic-1 : G tgšmtg ēlócvZ ḡSwi , tgšmtgi tk̄l i w̄tK ēlócvZ i i"nq| Kyj %ekvLx So I w̄kj vērói Av̄k½v tēlk | G tgšmtg t̄tki AtbK AAtj Xj eb̄vi Av̄k½v t̄Lv t̄q| G mgq Zvc Lp̄ tēlk Ges evZv̄tm Rjxq evt̄ui c̄wi ḡv̄Y ḡSwi _v̄tK| dm̄tj tīM I tcuKvi Av̄ugY ḡSwi nq| dmj Dr̄c̄` t̄b ḡSwi ai t̄bi tm̄tPi c̄q̄Rb | G tgšmtgi c̄wb dmj nt̄j vN c̄U, w̄Zj , w̄Uv, ḡL KP̄, t̄Xok, w̄P̄½v, w̄S½v, Kijv, cUj , w̄ḡjó Kgov BZ"v̄ | Avg, Rvg, Kv̄vij , tc̄tc, ZigR, ev½x G mḡtq c̄t̄K |

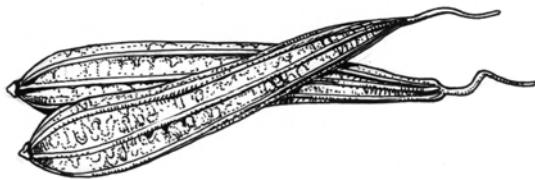


WP̄ : w̄ḡjó Kgov



WP̄ : ZigR

Lwi c-2 : G tgšm̄g m̄avi YZ ev̄ÓcvZ L̄e teuk nq | So I w̄kj̄ev̄óí Aik½v Kg Z̄e eb̄vi Avk½v teuk _v̄K | Zvc I evZv̄tm Rj xq ev̄t̄ui c̄w̄gv̄Y teuk _v̄K | dm̄tj tcv̄Kv̄ Av̄ugY I t̄v̄M teuk nq | dm̄j Drcv̄ tb K̄w̄g c̄w̄b tm̄tPi c̄q̄qRb tZgb nq bv | G tgšm̄gi c̄w̄b dm̄j nt̄j v̄N Avgb avb, c̄w̄b KP̄ P̄j Kgov, t̄Xok, w̄P̄P½v, w̄S½v, aȳj BZ̄w̄ | G mḡtq Z̄j, Avgj w̄K, Av̄bvi m, Avgov, tcqvi v, bv̄x Rv̄tZi Avg | Kw̄j Ges evZw̄e tj̄eyciK |



w̄P̄ : w̄S½v



w̄P̄ : P̄j Kgov

KvR : w̄kP̄v̄R v̄ P̄v̄w̄U `t̄j f̄M nt̄q Lwi c-1 | Lwi c-2 tgšm̄gi `ȳU K̄ti dm̄tj i Z̄w̄j Kv̄ ^Z̄w̄i Ki Ges t̄k̄w̄Kt̄P̄ Dc̄-v̄cb Ki |

bZ̄p kā : Lwi c dm̄j , Lwi c-1 Ges Lwi c-2 tgšm̄gi ^ew̄kō"

cw̄N4 : tgšm̄g w̄bi t̄cP̄ dm̄j

cēZ̄P̄ cūtV Avgiv tgšm̄g w̄f̄w̄ÉK w̄ev̄fb̄dm̄tj i c̄w̄P̄q | ^ew̄kō" Rv̄b̄tZ t̄c̄t̄i w̄Q | G me tgšm̄g dm̄tj i t̄P̄t̄t̄ GK tgšm̄gi dm̄j Ab̄ tgšm̄g P̄v̄ Kiv h̄q bv | w̄K̄S̄ Ggb KZK, t̄j̄v dm̄j i t̄q̄t̄Q h̄t̄` i mv̄v eQi j̄v̄RbKf̄te P̄v̄ Kiv h̄q | t̄Z̄giv w̄K G aītbi w̄K̄Qzdm̄tj i bv̄ ej̄t̄Z cīt̄e?

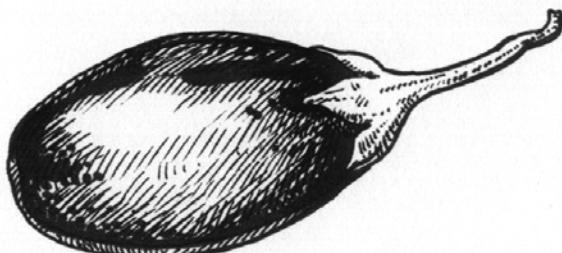
th me dm̄j mv̄v eQi j̄v̄RbKf̄te P̄v̄ Kiv nq Z̄t̄ i t̄K tgšm̄g w̄bi t̄cP̄ dm̄j ev̄ evi ḡw̄m̄x dm̄j ej̄v nq | tgšm̄g w̄bi t̄cP̄ dm̄j t̄j̄v̄t̄K Avevi w̄ ev̄ w̄bi t̄cP̄ dm̄j I ēt̄j | Kvi t̄bv̄ th̄t̄Kv̄b ^^t̄N̄q w̄ t̄b G me dm̄j dj - dj Drcv̄ tb K̄ti t̄Z̄ c̄t̄i | dm̄tj i dj - dj Drcv̄ tb w̄ ev̄ ^^t̄N̄q c̄t̄v̄tei w̄l̄t̄q Avgiv c̄t̄i i c̄t̄v̄ wē-w̄i Z Ribe | Avgit̄` i t̄t̄k tgšm̄g w̄bi t̄cP̄ D̄`v̄b dm̄j t̄j̄v̄ ḡtā i t̄q̄t̄Q̄N̄ j̄v̄Kv̄K, tēb, ḡw̄P, t̄c̄t̄c, Kj̄v BZ̄w̄` | Ab̄w̄ t̄K tgšm̄g w̄bi t̄cP̄ ḡv̄ dm̄j t̄j̄v̄ ḡtā i t̄q̄t̄Q̄N̄ f̄Ev̄, w̄P̄v̄ēv̄g BZ̄w̄` |

Avgit̄` i t̄t̄k Avev̄l qv̄ | Rj ev̄qM Z̄mḡv̄t̄Zvi Kvi t̄Y ĀtbK dm̄j mv̄v eQi P̄v̄ Kiv h̄q bv | Z̄e w̄K̄Qz D̄P̄ ḡt̄j̄` i dm̄j i t̄q̄t̄Q̄h̄ mv̄v eQi P̄v̄ Kiv m̄ḡe nt̄j w̄t̄` k̄ t̄t̄K Avḡ w̄b K̄ti t̄Z̄v bv - thgb, Ut̄gt̄Uv | t̄c̄t̄R | G mḡm̄v̄ mḡv̄at̄bi Rb̄ tgšm̄g w̄bi t̄cP̄ dm̄tj i Rv̄Z w̄t̄q Mtēl Yv Pj t̄Q | B̄t̄Z̄ḡtā Ut̄gt̄Uv | t̄c̄t̄Ri mv̄v eQi P̄v̄t̄v̄c̄t̄h̄w̄M ĀtbK, t̄j̄v̄ Rv̄Z t̄ei Kiv nt̄q̄t̄Q̄

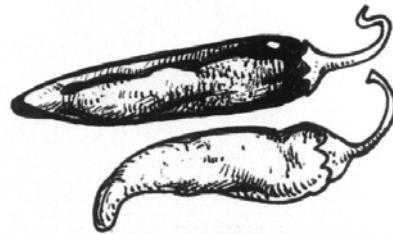
t̄Z̄ḡt̄` i ḡt̄b w̄K G c̄k̄eR̄t̄M bv th, t̄Kb w̄K̄Qz dm̄j mv̄v eQi P̄v̄ Kiv h̄q? G c̄t̄k̄e D̄Ēt̄i i Rb̄ Avgit̄` i dm̄tj i Rj ev̄qM P̄v̄` vi K̄v̄ f̄v̄t̄Z nt̄e | Avgiv R̄w̄b i w̄ dm̄tj i Rb̄ GK aītbi Ges Lwi c dm̄tj i Rb̄ Av̄t̄K aītbi Rj ev̄qj c̄q̄qRb | tgšm̄g w̄bi t̄cP̄ dm̄j t̄j̄v̄ i w̄ | Lwi c Df̄q tgšm̄t̄gB Rb̄t̄Z c̄t̄i | G t̄t̄K

eSv h̄q th, tḡsmg w̄bi t̄cP̄ dmj , t̄j vi Rj evqMZ P̄m̄n` vi we^-vi AtbK teik n̄te| d̄t̄j G dmj , t̄j v Dfq tḡsmg ev m̄iv eQi PvI Kiv h̄q| myZis Avgiv ej t̄Z cwi th, tḡsmg w̄bi t̄cP̄ dmj , t̄j v N̄

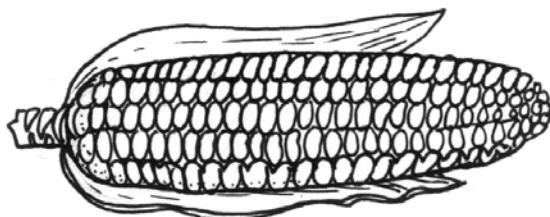
1. Kg Zic t̄_t̄K teik Zit̄c RbWt̄Z c̄ti
2. Kg eW̄cūZ t̄_t̄K teik eW̄cūZ RbWt̄Z c̄ti
3. Kg Ar` Zv̄ t̄_t̄K teik Ar` Zv̄q RbWt̄Z c̄ti
4. ^i w̄ ev ^N̄t̄_t̄K ` xN̄w̄ ev ^N̄d̄j -d̄j Drcv` b Ki t̄Z c̄ti |



w̄P̄ : te, b



w̄P̄ : gwi P



w̄P̄ : f̄jEv



w̄P̄ : w̄P̄b̄ev` vg

KvR : w̄kP̄v_Rv Pv̄wJ `t̄j f̄M n̄t̄q h̄l | Gevi t̄Zvḡt̄ i t̄Lvt̄b̄ w̄gk^ dm̄t̄j i P̄w̄t̄_t̄K tḡsmg w̄bi t̄cP̄ dm̄t̄j i GKvJ Zw̄j Kv` Zv̄ Ki Ges Dc` vcb Ki |

bZ̄p kā : tḡsmg w̄bi t̄cP̄ dmj , tḡsmg w̄bi t̄cP̄ dm̄t̄j i ^eikó` |

cW̄N̄5 : dmj Drcv` t̄b AvenvI qv | Rj evqj c̄f̄ve

t̄Kv̄ AAt̄j w̄K ait̄bi dmj RbWt̄te Zv H AAt̄j i AvenvI qv | Rj evqj Dci w̄bf̄P̄ Kti | AvenvI qv | Rj evqj Dcv` v̄b̄, t̄j vB dmj Drcv` t̄b c̄f̄ve we^-vi Kti | Gme Dcv` v̄b̄ Kxf̄t̄e dmj Drcv` t̄b c̄f̄ve we^-vi Kti , tm m̄uK̄GLb Av̄j vPv Kie |

1. mh̄qj vK : mh̄qj vK AtbKf̄t̄e dmj Drcv` t̄b c̄f̄ve we^-vi Kti | Avgiv Rwb Dv̄m̄c mv̄t̄j vKms̄t̄kH c̄l̄qvq Lv` ^Zv̄i Kti | G c̄l̄qvq mh̄qj vK Dcv` vZ GKv̄S-c̄l̄qvRb | mh̄qj vK Dcv` vZ t̄Z c̄w̄b | KieB W̄B-A. vB̄t̄Wi mḡs̄t̄q c̄l̄qvq Lv` ^Zv̄i nq | mh̄qj vK c̄l̄qvRb Abj̄v̄t̄i Dv̄m̄t̄_t̄K c̄w̄bZ `B f̄M Kiv nq; h̄v̄N K) Av̄j v cQ̄ Kvi x Dv̄m̄c | L) Qv̄v̄ cQ̄ Kvi x Dv̄m̄c | f̄jEv, AvL dmj cYc̄mh̄qj vK fv̄t̄j v R̄t̄b̄ Alevi Pv, Knd dmj Qv̄v̄ cQ̄ Kti |

~`wbK Avtj vi ms-útk^oAvmvi mgfqi ~`N^odmtj i dj-dj Drcv` tb cfve we-vi Kti | w^obi ~`N^o Dci ms^oe` bkJ Zvi wfE^oZ D^oM^o tK wZb f^oM f^oM Kiv nq; h_ñ

K) `xN^ow ev D^oM^o ev eo w^obi D^oM^o : G me D^oM^o i dj-dj Drcv` tb Rb^o w^obi ~`N^o12 N^ovi teik c^oq^oRb nq | thgbñ AvDk avb, c^oU, P^oj Kgov, wP^oP^ol, ay` j BZ^ow^o |

L) ^`i w^oev D^oM^o ev tQlU w^obi D^oM^o : G me D^oM^o i dj-dj Drcv` tb Rb^o w^obi ~`N^o12 N^ovi Kg c^oq^oRb nq | thgbñ Mg, mwi l^ov, Avgb avb, wMgv, Kjng, c^oBkvK |

M) w^oev w^obi tC^o D^oM^o : th tKt^obv ~`N^o w^otb G me dmtj i dj-dj Drcw^oZ ntq _v^oK | thgbñ P^obver^ovg, Utg^otUv, Kvcñ Zj v BZ^ow^o |

2. Zic : teP^ovKvi Rb^o mKj D^oM^o GKU m^ofog^o m^oef^oEg Ges m^oer^oP Zicgvñ i tqtQ | G^oK KwW^ovj Zicgvñ e^oj | KwW^ovj Zicgvñ D^oM^o i c^oRwZ | RvZ^of^o w^ofbaefbaenq | tKt^obv ~`v^obi dmtj i we-vi KwW^ovj Zicgvñ Øvi v^obqñsz nq | Zicgvñ P^om^ov Abh^oq^o Aver^o thM^o dmj tK^oB f^oM f^oM Kiv hvq; h_ñ
K) w^oUv FZi dmj : Giv Atc^oKZ Kg Zic dmj c^oQ^o Kti; thgbñ Mg, Avj y tQj v, gmj, dj Kic, Ij Kic BZ^ow^o | G^oi Rb^ot^obv R^ob^o m^ofog^o0-5° tm., m^oer^oEg 25-31° tm. Ges m^oer^oP 31-37° tm. Zicgvñ c^oq^oRb nq |

L) Dò FZi dmj : G dmj , t^oj v Atc^oKZ D^oP Zicgvñ q R^ob^o thgbñc^oU, i^ovi, K^om^of^ov | G^oi Rb^ot^obv Rb^o m^ofog^o15-18° tm., m^oer^oEg 31-37° tm. Ges m^oer^oP 44-50° tm. Zicgvñ c^oq^oRb nq |

3. ewóciZ : D^oM^o i Rb^o c^olb AZ^oS-, iZcY^o D^oM^o g^oU^oZ avi YKZ c^obi Dci w^of^okyj | Avi ewóciZ g^oU^oZ avi YKZ c^obi c^olb Drm | tmRb^o ewóciZi c^oigvY, mgq | NU^ob dmj Drcv` tb Rb^o L^oB , iZcY^o ewóciZi c^oPK^oi Kvi tY we^okj^o w^ofb^oA^otj w^ofb^oa^otb^o dmj R^ob^o_v^oK |

4. evqc^ovn : c^o^-^b, m^otj vKms^okH, dtj i ci^oMq^ob BZ^ow^o evqc^ovn Øvi v^obqñsz nq |

5. evZv^om Rj xq ev^oui c^oigvY : dmj i c^olk^oK ev^o ch^oq D^oP Rj xq ev^ou m^ouqK | `v^ob M^ob ch^oq w^oge Rj xq ev^ou `v^obvi m^otKvPb NU^oZ c^oti | evZv^om Av^oK Rj xq ev^oui c^oigvY t^oMRxe^oY | tcvKvi we-vi NU^oZ m^onvh^o Kti |

6. w^olk^ociZ | Kqkv : tKt^obv tKt^obv mgq w^olk^ociZ | Kqkv evqj Av^oQ^o emotq dmj t^oIM we-vi i AbKj c^oit^oek m^oó Kti |

KvR : w^olk^ociZ Pvi w^oU `tj f^oM ntq dmj Drcv` tb cfve we-vi Kvi x Aven^ol qv | Rj evqj Drcv` tb^o vi GKU Z^owj Kv^oZvi Kti tk^oY K^ot^oDc^ovc^ob Ki |

bZ^o kā : ^`i w^oev D^oM^o, `xN^ow ev D^oM^o, w^oev w^obi tC^o D^oM^o, Avtj v c^oQ^o Kvi x, Q^ogv c^oQ^o Kvi x D^oM^o, KwW^ovj Zicgvñ v |

cWÑ 6 : dmj Drcv` tb cÖZkj Avenvl qv | Rj evqj cfve

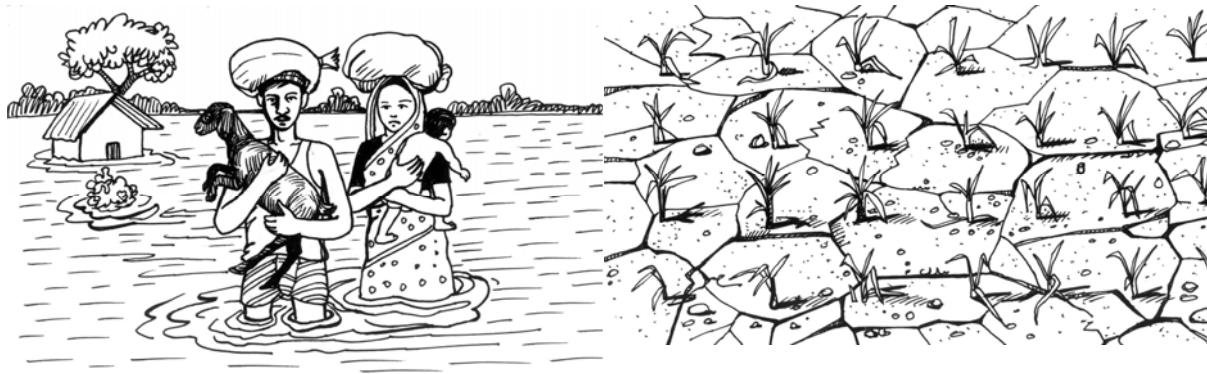
Avenvl qv | Rj evqj Abkj _Ktj dmj Drcv` b evqj cVq | Zte cÖZkj Avenvl qv | Rj evqj Z dmj Drcv` b nñm cVq, Ggb wK Drcv` b cÖi vci bó nñq thZ ci|i | Avgiv G cÖV weifbmaitbi cÖZkj Avenvl qv wbtq Avtj wPbv Kie| G ai tbi Avenvl qvq dmj i Kx ai tbi ¶wZ nq tm mñútK® Rvbe |

1. AwZ evÓ : ^vfwetKi Zj bvq hLb tKvbw ^vbt teik evÓciZ nq ZLb ZtK Avgiv AwZ evÓ ej | AwZ evÓi KvifY elPKtj kvKmeiR Drcv` b eñZ nq | AwZ evÓi KvifY kvKmeiRi Mq gwUtz tnij cto cVv, dj-dj bó nñq hvq | AwZ evÓi dtj ebv | Rj veñZv mñó nñZ ci|i | ebv | Rj veñZvq gwUtz Aw tRtbi NuñZ nq | G Ae^-vq Drñt` i evq | dj b ¶wZMñ' nq | Ggb wK AtbK Mq gviL hvq; thgbñ Kvñj, tcic | G Rb AwZ evÓi gva tg Rgv cwb `Z wKvki e'e^-v KvifZ nq |

2. wkjvevÓ : evÓciZ hLb ei tdi etj i AwKvki cñZ nq ZLb ZtK wkjvevÓ etj | evj v` tk cÖZ eQi ^Pñ - ekvL gytm wkjvevÓ nñq _vK | wkjvevÓi cwi gyv t` tk DñvAtj i tPq `wñY-ceñAtj teik nq | Awakvsk tPñt Kvj %ekvLxi mñ_ wkjvevÓ nq | wkjvevÓ dmj i cÖi ¶wZ mñab Ktj | wkjvi AwñZ dmj i cVv, KvP wj, dj, dj tft½ Sti cto, tñtj hvq | wkjvevÓi cwi gyv teik ntj KtqK wñbtUi gta dmj gwUi mñ_ vgtk thZ ci|i | Avgit` i t` tk tevit avb, cñU, Avg, Kjv, tcñR, imþ BZ`w` dmj wkjvevÓi KvifY ¶wZMñ' nq _vK |

3. Liv : `xNñ` b evÓciZnib Ae^-vK Liv etj | Avgit` i t` tk ^Pñ gyv nñZ KwñZR gyv chS-mgq GKvbw 20 w b ev Zvi teik w b ati tKvbw evÓciZ b v nñj ZtK Liv etj | AbvevÓi KvifY gwUtz µgyS^tq i tmi NuñZ t` Lv t` q | dmj th cwi gyv cwb gwU t_k Ktvi Y Ktj Zvi tPq cñ`^` b cñqvg teik cwb ZñM Ktj | G Ae^-vq dmj i evq | weKvki Rb cñqRbxq cwnbi NuñZ Ae^-v wevR Ktj | G Ae^-vK Liv Kevj Z ejv nq | Livi dtj Mq tbñZtq cto, Liv Zxe^nñj Mq i wKtq gviL hvq | Livi dtj dmj i evq | weKvki bwvfvte ¶wZMñ- nq | dtj dmj i dj b Ktq hvq | dmj ¶wZi gvi Dci wbf® Ktj Liv tK wZb fñM fñM Kiv nq; h_vñ Zxe^Liv, givSwi Liv Ges mñavi Y Liv | Zxe^Livq 70-90 fñM dj b NuñZ nq | givSwi Livq 40-70 fñM Ges mñavi Y Livq 15-40 fñM dj b NuñZ nñq _vK | evj v` tk cñq mKj tgñtgb dmj Livq Kevj Z nq | ivRkvñ, PivcBbevemÄ, bñtUvi, w` bvRcj, iscj, e, ov, Kvñq, htvki Ges gaçj Añtj Zxe^t_k givSwi Liv t` Lv t` q |

4. ebv : ebv cwnbi DñPZv, cwnbi MñZ | ebv ^vqxtZj Dci dmj i ¶q-¶wZ wbf® Ktj | wPz | givSwi wPz GjvKv ebv cñbZ cñZ nq | dtj dmj wñtKl Ktj avb tñZ wñt hvq | mñavi YZ Avgb avb tñvctYi mgq ev tñvctYi ci ebv KvifY ¶wZMñ' nq | Zte Xj ebvq nñl i Añtj tevit avb cñKvii mgq ¶wZMñ' nq |



॥P̄ : eb̄v

॥P̄ : Liv Kewj Z avb t̄p̄Z

KvR : ॥K̄P̄v_॥v `ju `tj fM n̄q h̄l | GK `j ĀZ ēo Ges Aci `j ॥kj̄v̄oi Kvi t̄Y dm̄tj i Kx Kx
॥P̄Z nq Zvi Zwi Kv `Zwi Ki Ges tev̄W̄Dc `vcb Ki |

bZ̄p kā : ĀZ ēo, ॥kj̄v̄oi, Zxē Liv, ḡSwi Liv, m̄aviY Liv |

cW-7 : Kwl cwi tek AĀj

evsj̄t̄` k GKU Kwl c̄vb t̄k | c̄q me dm̄j B Gt̄`tki ḡwU t̄Z Rb̄q | Z̄te me Gj vKv me dm̄j Rb̄q bv |
dm̄j Rb̄q bv b̄fP K̄ti Gj vKv cwi tekki Dci | AZGe Gt̄`tk dm̄j Z_v Kwl Kvh̄g Puj̄t̄Z Gj vKv wfw̄E K
Kwl cwi tek Rv̄v̄ `i Kvi | A_F Kwl cwi tek AĀj Kwl Kvh̄g LpB , i Zc̄Y GKVU weI q |

Avḡv Rwb evsj̄t̄`tki tKv_vl ēoCvZ tewk nq Aveni tKv_vl Kg | tKv_vl Zvcgv̄t̄v Kg Ges tKv_vl tewk |
Gt̄KK AĀtj i ḡwU Gt̄KK c̄Kv | G mewKQb ntj v cwi tek | G cwi tekki Rb̄B evsj̄t̄`tki ivRkv̄nxt̄Z
Av̄gi dj b fv̄j v, w̄bRc̄t̄i w̄jPi dj b fv̄j v, klḡv̄t̄j Pv I Kvj vi dj b fv̄j v, h̄t̄kv̄ti tLR̄t̄i dj b
fv̄j v | ZvB AvenvI qv I Rjevqj Dci wfw̄E K̄ti evsj̄t̄`k̄K 30U Kwl cwi tek AĀtj weF̄3 Kiv n̄q#Q |

KvR : ॥K̄P̄K evsj̄t̄`tki GKU ḡwbuP̄ tev̄W̄Sj̄t̄eb | ॥K̄P̄v_॥i `j Mv̄b K̄ti evsj̄t̄`tki tKv̄b tRj vq
tKv̄b dm̄j fv̄j v Rtb̄tm̄tj vi bv̄g I tRj vi bv̄g UKiv Kwm̄R w̄j tL ḡwbuP̄t̄ em̄t̄Z ej̄t̄eb | cwi tekli
dm̄j mḡv̄ ḡwbuP̄t̄wU eL̄v̄ Kīt̄eb |

wfw̄WI cōk̄ : ॥K̄P̄K evsj̄t̄`tki weF̄be dm̄tj i Gj vKv wfw̄E K wfw̄WI ॥P̄ cōk̄ K̄ti GK bRt̄i
evsj̄t̄`tki ॥P̄ Zt̄j aīt̄eb |

evsj̄t̄`tki Kwl cwi tek AĀj

meF̄kl 1988-1989 m̄t̄j evsj̄t̄`k̄K w̄kU Kwl cwi tek AĀtj Dct̄Rj v ch̄S-fM Kiv n̄q#Q | Kwl
Dr̄v̄`t̄bi Rb̄ dm̄j b̄fPb, dm̄j cwi PhP, t̄i Meyj vB `gb I ēē`vcbv GB mKj t̄P̄t̄i Kwl cwi tek AĀj
weF̄ePbvq tbI qv nq |

cwi tek AĀj Mv̄b K‡Zv, †j v h̄w̄ S wētePbvq tb̄l qv nq | c̄vb wēteP̄ wēlq, †j v n‡Q f̄ng, Kwli Avenvl qv, ḡEkv Ges cwb cwi w̄'wZ | Gi c̄ZwU t¶† Avenvl wēfvRb i‡q‡Q | thgb f̄ngi tk̄Yweb̄m Kiv ntq‡Q c̄Pf̄tM | DPz f̄ng, ḡSwi DPz f̄ng, ḡSwi wbPz f̄ng Ges AwZ wbPz f̄ng |

Kwli Avenvl qv c̄n‡½ wētePbvq tb̄l qv nq Lwi c-cē Avenvl qv, Lwi c Avenvl qv, iwe Avenvl qv | Pig Zicgv̄l v |

Kwli cwi tek AĀj mba†Y cwb cwi w̄'wZ ev ḡUi Av`Zvi wēlqU‡K c̄vb t̄ l qv nq | G Qov b`xi AeewnKv, nvl i-ewl o GjvKvI wētePbvq tb̄l qv nq |

ḡEkv tk̄Y wētePbvq te‡j ḡU, Gt̄Uj ḡU, te‡j t̄ vAik, Gt̄Uj t̄ vAik, Gt̄Uj ḡU Ges Gi cikvcmk ḡUi A‡Z-¶v̄i Zj(PH)I wēteP̄ |

cW- 8 : Kwli cwi tek AĀj Abjvq̄ dmj ^ēP̄t̄"

Kwli cwi te‡ki Kvi †Y GK GK AĀtj Avgi v GK GKwU we‡kl dmj i c̄vb t̄ L‡Z c̄B | h̄w̄ I avb, c̄U, Mg, AvjyBZw̄ dmj c̄q mKj Kwli cwi tek AĀtj Drcv`b Kiv nq |

cwi tek AĀj 1 w̄bRcj, cĀMo, Wk̄i MwU wb‡q MwZ | GLvbKvi we‡kl dmj n‡Q wjPz I Avg | GLb Pv n‡Q GB GjvKvq | Kgj vi PvI I i"n‡q‡Q |

cwi tek AĀj 2-G i‡q‡Q wZ-¶v̄i Pi | GLvbKvi we‡kl dmj wPbvev̄ vg, KvDb | cwi tek AĀj 3 I 4 GjvKvq i‡q‡Q i scj I e, ori Ask‡ekl | GB GjvKvi ^ēlkō" n‡Q ZvgvK Ges mewR |

cwi tek AĀj 5 I 6 Pjb wej, Av̄vB I cþf̄ev b`x GjvKvi wbPzRng wb‡q MwZ | GB GjvKvi ^ēlkō" n‡j v c̄U, teZ Drcv`b | GLb ZigR I imþ ēvcKf̄tē PvI n‡Q |

cwi tek AĀj 7-G cþotQ eþc̄j Pi GjvKv, †j v | G mKj AĀtj i we‡kl dmj n‡Q wPbvev̄ vg I wglō Kgov |

cwi tek AĀj 8 eþc̄j cvo GjvKv, †j v | cwi tek AĀj 9-G cþotQ gqgbwmsn AĀj | cwi tek AĀj 8-Gi we‡kl dmj cwb dj | cwi tek AĀj 9-G mKj dmj B nq |

cwi tek AĀj 10 Rþo i‡q‡Q cÙvi Pi AĀj | GLv̄b wPbvev̄ vg c̄vb dmj | cwi tek AĀj 11 cþvZb M½v we‡ašZ GjvKv | GLvbKvi ^ēlkō" cYcdmj KvCm Zj v | cwi tek AĀj 12-G i‡q‡Q cÙvi cvo | GLv̄b we‡kl dmj tevbw Avgb I Zvj | cwi tek AĀj 13-G i‡q‡Q Lj bvi DcKj AĀj | GB GjvKvi ^ēlkō" n‡j v my i eb | cwi tek AĀj 14-G i‡q‡Q tMvciy M‡Ai we‡j i cvo GjvKv, GLvbKvi ^ēlkō" cYcDwmc n‡j v Zvj MwQ I tLRj | cwi tek AĀj 15-G i‡q‡Q Amohv̄j wej GjvKv | GLv̄b tevbw Avgb c̄vb ^ēlkō" cYcdmj |

cwi tek AĀj 16-G ga" tgNbv GjvKv i‡q‡Q | GLv̄b ḡSwi DPzRng | GLv̄b Avjyvn Abv̄b mewR I Kj v RbVq | cwi tek AĀj 17-G i‡q‡Q Kjgj †bqylvj xi mxgvš-GjvKv | GLv̄b wPbvev̄ vg, f̄v̄mn mwavi Y dmj

RbWq | cwi tek AÂj 18-G i tqfQ tfvj vi Pi | GLvb bwii tKj I cib wetkl dmj | cwi tek AÂj 19-G
i tqfQ ce@tgNbv Gj vKv | GLvbKvi wetkl dmj tevb Avgb | cwi tek AÂj 20-G i tqfQ wmtj tUi tUzgvi
nvl imn nvl i Gj vKv, tjv | GLvb teviv avb | gvQ Drci` b Gj vKv, tjv i tqfQ | cwi tek AÂj 21-G i tqfQ
mj gv-Kyqvi vi `B cvo | GLvb teviv avb, gvQ | meiR Drci` b nq | cwi ttoi cr` t` k, tjv cwi tek AÂj
22-Gi Aaxtb ctotQ | mpwi, tje Kgv, Lwmgv cib GB Gj vKvi ^eikó | GLb Gme Gj vKvq Ami
Drci` b n"Q | cwi tek AÂj 23-G i tqfQ PAEMg-K. evRvi DcKj AÂj | GLvbKvi ^eikó dmj cib |
cwi tek AÂj 23-G i tqfQ tmUgwiU@ tKvi yj Øxc | GLvbKvi ^eikó "CÝDlM@ n"Q bwii tKj |

c̄i tek AĀj 25, 26, I 27 Gj vKvRt̄o i t̄q̄Q h_μt̄g i vRkvnx, e, ov I v̄ bvRct̄i i ēti, ^AĀj | GLv̄b
DPzGj vKvq c̄q mKj dmj B d̄t̄j | c̄i tek AĀj 28 gac̄j t̄t̄K XvKvi t̄ZRM̄l chS̄-ē-Z j vj gwU AĀj |
GLvbKvi w̄t̄kI ē n̄t̄Q kvj | GLv̄bI dmj n̄t̄Q Kivvij I Avbvi m | c̄i tek AĀj 29-Gi AŠM̄Z mKj
cvnwo AĀj | GLvbKvi w̄t̄kI dmj Pv| c̄i tek AĀj 30-G i t̄q̄Q AvLvDovi j vj gwU AĀj | GLvbKvi
c̄vbo dmj KvKt̄vij Ges gKz̄ c̄j x tcqviv |

GB we- -Z weei fYi gj Df i k- ntj v GB K_wlJ Rvbv tbv th eisj v` k tQJU t` k ntj I Gi Kwl ^ewP^ wekvj |
hvtnvK, cwi tek AÂj 3, 9, 11 Ges AvsukKfvte 16 D` vi Kwl cwi tek Gj vKv| GB Gj vKvRto Drccbœavb-
cvUmn bvbv dmjtji Rb" eisj v` k ðtmvbvi eisj vØ bvfg AwfvnZ|

KvR : †Zvgvi AÄtj Kx ai tbi dmj dtj Zvi GKU Zwj Kv ^Zwi Ki Ges tkNYtZ Dc- 'vcb Ki |

Abkj bx

kb'-'wb ciY

1. tgšmfg tmfpi cōqvrb tewk |
 2. Zxe³livq fM dj b NvUwZ nq |
 3. eWócvZ ei i etj i AvKv*t*i cWZ nq ZLb ZvtK etj | |
 4. Awakvsk tPf¹ Kvj %ekvLxi mvf_ nq |

wgj KiY :

ergcik	Wbcik
1. <i>^P̄ t_‡K fv`⁹gim</i>	<i>cwi giY teñik _v‡K</i>
2. <i>Zvc I evZv‡m Rj xq eit⁹úi</i>	<i>Lvi c tgŠmg</i>
3. <i>AvenvI qv I Rj evqyAbK‡j _vK‡j</i>	<i>Kwl cœvb t` k</i>
4. <i>evsj v‡` k GKwU</i>	<i>dmj Drcv` b eñv cqv i we tgŠmg</i>

eū̄beP̄lb c̄k̄e

1. ēsj̄t̄ `tk̄ k̄j̄ v̄p̄o KLb nq-

K. ^ekvL | ^R̄t̄ô

M. d̄v̄b̄ | ^P̄t̄î

L. Āl̄p | k̄t̄Y

N. ^P̄î | ^ekvL

2. w̄ ev̄b̄i t̄c̄P̄ D̄m̄c̄ , t̄j̄ v̄n̄t̄j̄ v̄-

i. P̄b̄v̄ēr̄v̄g, Ūt̄ḡf̄Ū, t̄c̄t̄c

ii. ĀD̄k̄ āv̄b̄, t̄ēb̄, K̄j̄ v̄

iii. f̄Ēv̄, d̄j̄ K̄c̄, Āv̄y

w̄b̄t̄Pi t̄K̄b̄w̄Ū m̄V̄K̄?

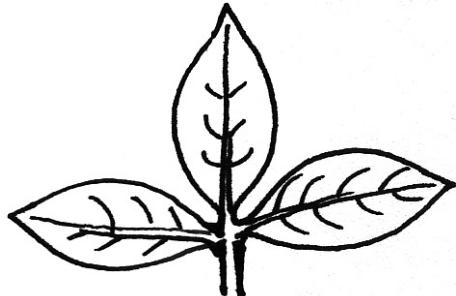
K. i

L. ii

M. i | ii

N. ii | iii

w̄b̄t̄Pi Āb̄t̄"Q̄"w̄Ū co 3 | 4 b̄x̄i c̄k̄i D̄Ēi `v̄l :



w̄P̄î - 1



w̄P̄î - 2

3. w̄P̄î - 2 Gi D̄m̄c̄ w̄Ū t̄K̄b̄ c̄w̄i t̄ēt̄ki ?

K. t̄m̄Ūḡw̄Ūf̄bi t̄K̄v̄j̄ Ø̄t̄ci

M. w̄m̄j̄ t̄Ūi t̄Ūḡv̄i n̄l̄ t̄īi

L. c̄w̄mo ĀĀt̄j̄ i

N. ḡqgb̄ūmsn ĀĀt̄j̄ i

4. w̄P̄î - 1-Gi D̄m̄c̄ w̄Ū -

i. A_ K̄w̄i dm̄j

ii. c̄v̄b̄x̄q c̄v̄b̄K̄v̄x

iii. „j̄ V̄v̄Z̄x̄q

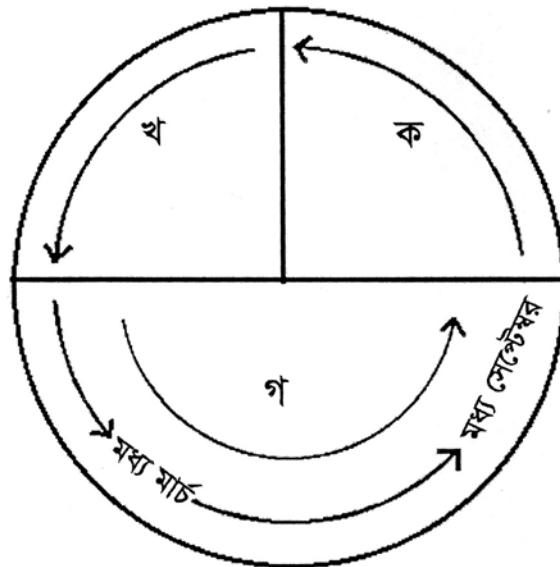
Wb†Pi †KvbWU mWVK?

4 | mRbkxj cökæ

1. mw` tKi ewoU Kg eñóciZ cëY AÄtj nñj I cñpi kñK-meñR Drcv` b nq | mw` K wKQz UñUKv
meñR wñtq Zvi gñtqi mw`_ PÆMñgi wñj vZtj gvgvewo teovtZ hñq | tmLv`b GKw` b tm t` tL nVr
Kti AvKuk NbKtj v tgñtN tXñK Avtm I So evZm eBñZ i i "Kñi, Gici i i"nq ewó |

- K. dmt̪j i tg̪šmg ej t̪Z Kx tevS
L. Avj t̪K KwlW̪y Zvcgv̪i mev̪R ej vi Kvi Y e v̪L v̪ Ki |
M. mw̪ t̪Ki Kwl AĀt̪j i dmt̪j i ^eikó D̪i x̪t̪Ki Av̪t̪j t̪K tg̪šmg Abh̪w̪q eY̪v̪ Ki |
N. mw̪ K I Zvi bv̪v̪ ewo AĀt̪j Avenv̪l qvi ^eikt̪ó i Zj bv̪ Ki |

2.



WPI - evi gv̄tmi wfw̄E‡Z Kwl tḡšmtgi Möd

- K. Avenv̄l qv̄ | Rj evqj̄ wfw̄t̄Z evsj̄ v̄` k‡K KqñU Kwl AÄt̄j fM Kiñ nq̄ |
L. t̄Kb cñi w̄' wZt̄Z kxZKv̄t̄j dmt̄j i t̄i wMRxerYyñe-ñvi NñU, eñLñ Ki |
M. Mñd wPñZ Kwl tgšñt̄gi t̄Kb AskñUt̄Z tmñt̄Pi t̄Zgb cñqRb nq̄ br, Kvi Y eñLñ Ki |
N. wPñt̄ ñMñ wPñZ Kwl tgšñt̄gi dmt̄j Zvcgnñvi cñfve gjñvq̄b Ki |

msw̄lB c̄kæ:

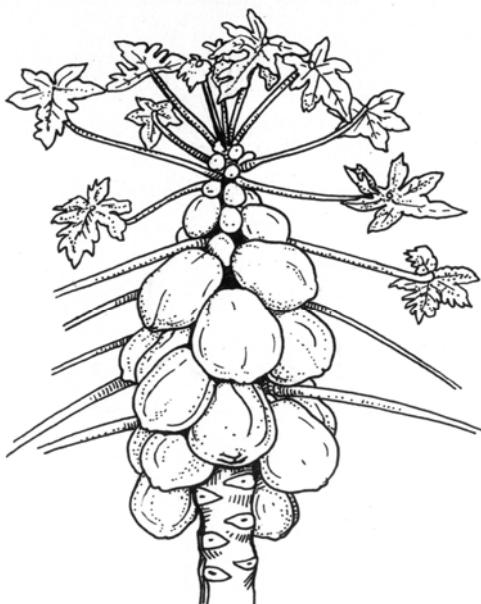
- K. L̄v ej t̄Z Kx eſ?
- L. -̄í w̄ ev Dw̄m̄ Kvt̄K eſj?
- M. w̄kj veſót̄Z dm̄t̄j i Kx ai t̄bi P̄w̄Z nq?
- N. Aw̄Zew̄o ej t̄Z w̄K teſS?

i Pb̄gj K c̄kæ

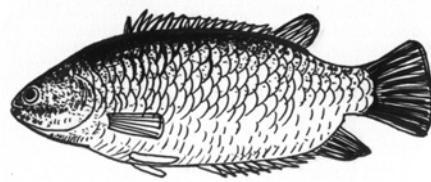
- K. dm̄j Dr̄c̄i` tb Aven̄l qv | Rj evqj̄ c̄f̄ve eȲv Ki |
- L. eisj̄ v̄t̄ki Kw̄l c̄wi t̄ek AĀt̄j i eȲv `vI |
- M. tḡšmḡ w̄bi t̄c̄l dm̄t̄j i eȲv `vI |
- N. Kw̄l tḡšmt̄gi eȲv `vI |

cÂg Aa"vq Kw! R Drcv` b

Kw! R Drcv` b ej †Z dmj , Mncwj Z cii cwl Ges gQ Drcv` b‡K tevSvq | G Aa"vq dmj Drcv` †bi g‡a" km" PvI (fjv), dj PvI (iRbMÜv I Mv) Ges dtji PvI (tcgviv I tctc) c‡vZ, tiMeyjvB e"e"vcbv, dmj msMö c‡vZ Av‡jvPbv Kiv ntq‡Q| cieZ‡Z gQ PvI I tiM e"e"vcbv (^K gQ), cwl cij b I tiM e"e"vcbv (gjM) Ges Mncwj Z cii cij b I tiM e"e"vcbv (Qmj) m¤ú‡K®eYv Kiv ntq‡Q| metk‡l Kw! Drcv` †b Avq-e"‡qi nmve msi ¶‡Yi c‡vZ we‡q avi Yv †` I qv ntq‡Q|



WP† : tctc MvQ



WP† : ^K gQ



WP† : Qmj

G Aa"vq cW †k‡l Avgiv-

- km" PvI (fjv) c‡vZ eYv Ki‡Z cve|
- wevfbœ‡Kvi dj PvI I dj PvI c‡vZ eYv Ki‡Z cve|
- gQ PvI c‡vZ eYv Ki‡Z cve|
- g‡Qi tiM c‡Z‡i‡ai Dcvq Ges tiM e"e"vcbv metkH Ki‡Z cve|
- cwl cij b c‡vZ eYv Ki‡Z cve|
- Mncwj Z cii cwl tiM e"e"vcbv eYv I metkH Ki‡Z cve|
- Kw! R Drcv` †bi Avq-e"‡qi nmve iL‡Z cve|

CW-1 : fEv PvI cWZ

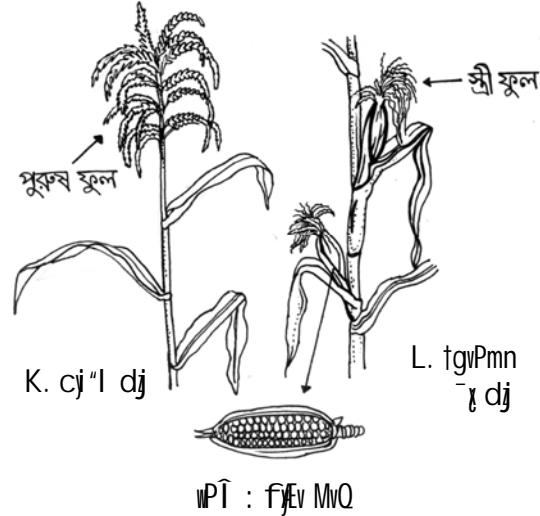
fEv GKU AiaK dj bkJ I eugjx eenvi mubv km | evsj vt` tk fEv PvI evotQ | fEv elRxex ,j | cKwZi | GKB MfQ cj1 dj I -x dj Rtbv| cj1 dj GKU gAix` tE web` nq MfQi gv_vq tei nq | -x dj MfQi gvSigmS D'PZiq KvU I ciZvi A¶tKvY t_tK tgvpv AvKvti tei nq | -x dj wowl³ nq tgvpv wFZti `vbi mjo nq | avb I Mgi Zj bvq fEv `vbi cjoqb teik | fEv `vbi gvb|i Lv` " mntmte Ges Gi imj MQ I meR ciZv Dbz gvtbi tMlv` " mntmte eeuZ nq | Mew` ci` , nm-gjM I gvtQi Lv` " mntmte Avgt i t` tk fEv `vbi evcK Pmn` v i tqfQ |

RvZ : evsj vt` k Kw MtelYv Bbw÷wUDU fEv AtbK, tJv D'P dj bkJ I nvBew RvZ D'meb Kt±Q | Zvi gta" eYgx, iav, tgvni, ewi fEv-5, ewi fEv-6, ewi fEv-7, ewi nvBew fEv-1, ewi nvBew fEv-2, ewi nvBew fEv-3 Ab"Zg | GQrov LB (cc Kb) Gi Rb" tei Kt±Q LB fEv Ges Kwp Ae"vq LvI qui Rb" tei Kt±Q ewi wgo fEv-1 | Gi evBti wewfbexR tKvumbo wtk t_tK nvBew RvZi fEv exR Avg`wb Kt±K |

gwU : tetj t` vAvk I t` vAvk gwU fEv PvI i Rb" D'g | Zte tLqj i Ltz nte RwgZ thb cmbo bv Rtg | ecb mgq : Avgt i t` tk i we tgsmg A±vei -btfxi Ges Lwi c tgsmg ga" tdeqwi -gvPchS-mgq exR ectbi Dchb mgq |

exRi nvi I ecb cWZ : ewi fEv RvZi Rb" tn±i cZ 25-30 tKwR Ges LB fEv Rb" 15-20 tKwR nvi exR mwi tZ ejtZ nq | mwi t_tK mwi i `tZi nte 75 tmig Ges mwi tZ 25 tmig `tZi 1wU A_ev 50 tmig `tZi 2wU MfQ i Ltz nte |

Rwg Zwi I mvi cQqM : Avgt i t` tk i we tgsmg fEv PvI teik nq vK | 4-5wU Mfxi PvI I gB w tq Rwg Zwi Kt±Z nte | fEv PvI wewfbexRi mvi i cwi giv wtp t` qv nq :



mvi i bv	mvi i cwi giv (tKwR/tn±i)
BDwi qv	172-312
wGmwc	168-216
Gwmc	96-144
wRcmig	144-168

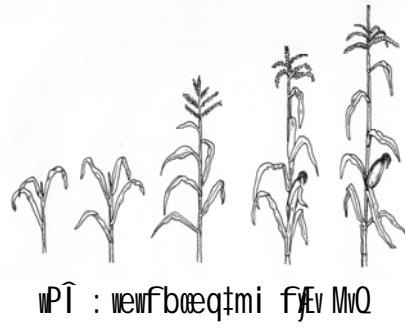
Rwg ^Zwi i tkI chq tgwU BDwi qui GK-ZZxqsk Ges Abib' mif i meUKz wQnUfq Rwg Pvl w` Z nte| GQovl G mgq tn±i cÖZ wRsK mif tdu 10-15 tKwR, tevi b mvi 5-7 tKwR Ges tMvei mvi 5 Ub cÖqM Kitj fijv dj b cvl qv hq | ewK BDwi qv mgvb `B wKw-ÍtZ fM Kti, cÖg wKw-Í exR MRvtbvi 25-30 w` b ci Ges wZxq wKw-Í exR MRvtbvi 40-50 w` b ci Dcw i cÖqM KitZ nte| Pvi v MRvtbvi 30 w` b i gta" Rwg t_ZK AwZwi 3 Pvi v Ztj tdj tZ nte| Pvi v eqm GK gvm bv nl qv chS-Rwg AwMqv gß iLtz nte| wZxq wKw-Í i BDwi qv mvi Dcw i cÖqM Mi mgq `B mvi i gSLvb t_ZK gvwU MvtQi tMvor eivei Ztj w` Z nte|

KvR : wKw-Í v GKK KvR wntmte Lv` km dmjtj i GKwU Zwj Kv ^Zwi Ki |

bZb kā : Dcw i cÖqM, fJevi tgwPv |

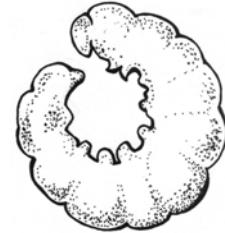
cW-2 : fJev PwZI cwi PhP I dmj msMö

tM P cÖqM : D'P dj bkxj RvtZi fJevi Awkvbjc dj b tcZ ntj iwe tgsmfg 3-4wU tM P t` qv cÖqM Rb | 5 cvZv chq cÖg, 10 cvZv chq wZxq, tgwPv tei nl qv mgfq ZZxq Ges `vb evavi cÖePZL tM P w` Z nq | fJevi Rwg tZ hvZ cwb bv Rtg tmw` tK tLqj iLtz nte |



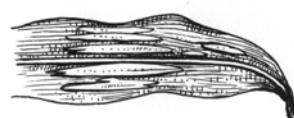
wP̄ : wewfbæqfmi fJev MvQ

tcvKv `gb e'e-'vcbv : fJev dmjtj tcvKv-gwKto i AwugY Kg nq | Zte Pvi v Ae-'vq KvUB tcvKvi jvfPMvtQi tMvor tKtU t` q | Giv w` b i tejvq gwUi wbtP jwKtq _vtK Ges ivtZ tei nq | m` tKtU tdjv MvtQi Pvi cwtki gwU Ljto tcvKvi jvfPtei Kti tgfi tdj tZ nte | AwugY tewk ntj di wwb A_ei Wvi mevb Abfgw` Z gw` vq e'envi Kti Rwg tZ tM P w` Z nte |



wP̄ : KvUB tcvKvi jvfP

fJev dmjtj i tiM : fJev dmjtj tek KtqKwU tiM t` Lv w` Z cwti | thgb-fJevi exRcPv I Pvi v giv tiM, cvZv Sj mvtbv tiM, KvU cPv tiM, tgwPv I `vbv cPv tiM | G tiM, tji wewfbæ ai tbi exR i gwUewnwZ QtvtKi AwugtY nq _vtK | fJevi exR ectbi mgq gwU tZ im tewk Ges Zvcgv` Kg _vtKtj exRcPv I Pvi v giv tiM t` Lv t` q | cvZv Sj mvtbv tiM Awuší MvtQi wbtPi w` tKi cvZv j x^tU ami etYp `M t` Lv hq | cti Zv MvtQi Dcti i Astk Qmofq cto | tiM Mi AwugY tewk ntj cvZv Awug i wKtq hq Ges MvQ gfi hq |



wP̄ : cvZv Sj mvtbv tiM

tiM `gb c~~W~~Z :

- 1) tiM c~~W~~ivax RvZ e^{en}vi Ki^tZ n^{te} |
- 2) exR ec^tbi c^te^qkrab K^ti w^tZ n^{te} |
- 3) f^{er} Kvvi ci c^wi Z³ Ask c^otq tdj^tZ n^{te} |
- 4) GKB R^gtZ evi evi f^{er}PvI eÜ Ki^tZ n^{te} |

f^{er} msMö I gvoB : tgPv PKtK L^toi i^s aviy Kit^tj Ges c^wZv
w^kO^v nj^t n^{te}, `vbvi Rb^t f^{er} msMöni Dch^t nq | f^{er} M^tQi
tgPv 75-80% c^wi cK^ti n^{te} dmj msMö Kiv h^te | tgPv msMöni ci
4-5 w^b ti^t i^tK^tZ n^{te} | AZtci n¹ ev kw³Pw^j Z gvoB h^ti
Øvi v^b Qwo^tq evQvB-SvovB K^ti msi^tY Ki^tZ n^{te} |

RxebKv^j : i^w tgsmtg f^{er} M^tQi RxebKv^j 135-155 w^b Ges
L^wi c tgsmtg RxebKv^j 90-110 w^b |

dj b : evsj^t t^tk i^w tgsmtg f^{er} dj b te^tk nq Ges L^wi c tgsmtg
dj b Kg nq | RvZ I tgsmg^tf^t f^{er} dj b 3.5-8.5 Ub/t^t±i
n^{te}q _^tK |

KvR : w^kPv eo `ju^tj f^WM^t n^{te} h^tl Ges f^{er} Kxf^te msMö Ki^tZ nq tm we^tq LvZ^tq w^tL Ges
Dc⁻vcb Ki |

bZb kā : KvUB tcvKv, f^{er} gvoB h^ti

cW-3 : iRbxMÜv dt^tj i PvI c~~W~~Z

m^tv I m^wWZ iRbxMÜv dj^wU Avg^t i mK^tj i w^tö GK^wU dj |
i^tZi tejv G dj m^MÜ Qovq et^tj G^tK iRbxMÜv et^tj | Drme,
Ab^wvb, M^mm³/4v, tZiov, gvjv, A¹/²m³/4vq dj^wU te^tk e^{eu}Z
nq | dt^tj i c^wmoi mw^ti Ab^wvti iRbxMÜv^tK `ju^tk^tY^tZ we^t3
Kiv n^{te}q^tQ | th me Rv^tZ c^wmo GK mw^ti^tZ _^tK Z^tK w^t½j
et^tj | c^wmo `B ev Z^tZwaK mw^ti^tZ _^tK^tj wej et^tj |



WP^t : n¹ Pw^j Z gvoB h^ti



WP^t : dj mn iRbxMÜv M^tQ

eskne`vi : evsjv`tk K` t_k i RbxMÜvi eskne`vi Kiv nq|
K` ,tjv t_LtZ tcqfRi g_Zv kxZKvij G,tjv gwUi wftP myB
Ae`vq _vtK| kxZi tkI Kt`i Svo ,tjv tei Kti K` Avj`v Kiv
nq | tivctYi Rb 2-3 tmwg AvKtii K` ntj B Pjt |

K` tivcY : i RbxMÜvi Rb chB Aftjv-evZmhy Rng wbePb Kiv
DnPZ | t_vAk I tejt -t_vAk gwUtz i RbxMÜv ftjv RftbY tdeqwi
t_k K Gwci gftmi gta` K` tivcY Kiv nq| mwi t_k mwi i `tZj
25-30 tmwg Ges MwQ t_k MwQo 10-15 tmwg wntmte K` ,tjv
4-5 tmwg Mfxi Zvq emftZ nte| K` emftbvi 3-4 gvm ci MwQ dj
t`q |

mvi cÖqm : 3-4wU PvI I gB w`tq gwU Si Sti Kti wftZ nte| tn±i
cÖZ 10 Ub cPv tMvei, 200 tKwR BDw qv, 300 tKwR wUGmrc, 350
tKwR Gmrc mvi Rng ^Zvi i mgq ftjvftw wgwkfq w`tZ nte| K` tivctYi 30-45 w`b ci Avevi 125
tKwR BDw qv mvi Dcw cÖqm Kti tmP w`tZ nte|

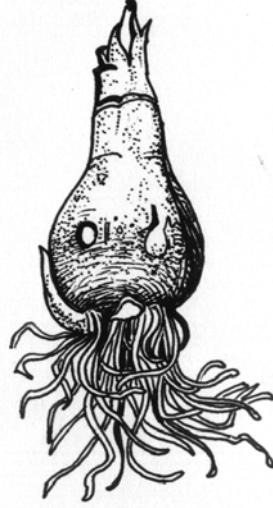
AišÍtcw PhP: i RbxMÜvi RngZ me mgq chB im _vKv`i Kvi | Avevi cwb RgvI DnPZ bq, cwb Rgtj
K` ,tjv ctP thtz cti | tmRb Rngi Ae`v eftS tmP t_lqv`i Kvi | K` tivctYi wK cti GKevi, MwQ
MRvtbvi cti GKevi | MwQo DnPZ 10-15 tmwg ntj AvtKevi tmP w`tZ nte| GQov dj tduv kj`ntj,
`B-GKevi tmP w`tj, tewk Kti dj tduv Ges dj Sivl Ktg hvq| cÖzvi tmP ci, RngZ trv Gtj
wbowb w`tq gwUi PvU tf1½ w`tZ nte|

i RbxMÜv MwQ PwZKvi K tcvKvgvko tZgb t_Lv hvq bv| Zte elRkvj QtwKRwZ tMwv cPv tiw AftbK
mgq tek PwZ Kti | G tivctYi MwQo wftPi w`tK gwUi KvQo cPb ati | MwQ t_wKtq gvi hvq| G
tiw `gfb Rb RngZ hftZ cwb bv Rftg tmw`tK tLqvj ivLtz
nte| AvpwsÍ MwQo tMwv gwtZ wUe 250 Bim cÖZ wj Uvi
cwbZ 0.5 wgwj nvi wgwkfq t_cöKti w`tZ nte|

dj KvUv : evRvti i RbxMÜv wewu nq gjZ jx^v cPv E ev
WwUmn A_ev WwUv Qov Siv dj wntmte| Siv dj guv ^Zvi i
Rb eeuZ nq| dj tduv cfe^dtj i WwUmn tKtU dj msMö
Kiv nq| mÜv ev tfvii w`tK dj KvUv ftjv| KvUv ci WwUv
wftPi Ask cwbZ Wwetq ivLv DnPZ| GtZ dtji mZRZv I
D3/4j Zv eRvq _vtK| WwUmn dj AwU tetra Kvij cwj w_tB
Rwofq evRvti cWwftb DnPZ |

KvR : tcv`vi tccvti i RbxMÜvi dj msMö I evRvi RvZKi`Yi wP^ A1/4b Kti tKwKtP Dc`vcb Ki |

bZb kā : wmt1½j i RbxMÜv, Wwetq i RbxMÜv, K`



wP^ : K`



wP^ : i RbxMÜv

CW-4 : Mw` v dtj i PvI cRwZ

evsj vt` tk Mw` v dj LpB RbwZ | Gi PvI mnR | G dj D` vtb, ctk® Ute eviv` vq PvI Kiv hvq | dj w
bvwia Drme, Abpw, Mpm³/₄v, gyj v ^Zwi tZ e"eÜZ nq | dj wui is, MwB ^ewP̄t̄ I tKvgj Zv mKj tk̄Yi
gvbj tK AvKó Kti | Mw` v dtj i cvZvi im kixii i PZ -'vtb j Mwjtj i³ cov eÜ nq |

RvZ cwi wPwZ : evsj vt` tk `B cRwZi Mw` v dj PvI Kiv nq; h_v-
K) Awdkvb Mw` v Ñ G cRwZi MwQ D'PZvq c̄q 100 tmig j x̄v,
dj GKior I tek eo nq | RvZ Abjwqk dj njy, tmwvij,
emwši, Kgj v cFwZ i‡oi ntq _vtK | L) diwm Mw` v N G
cRwZi MwQ 15-30 tmig j x̄v, k³, tSicv j v Ges dj tQwU I
jy i‡oi ntq _vtK |

Pviv ^Zwi : exR I kvLw Kj tgi gva"tg Mw` v MwQo Pviv ^Zwi Kiv
hvq | el A mgq exRZj vq cvZj v Kti exR ejb Mw` vi Pviv ^Zwi
Kiv nq | mewri exRZj vi g‡ZwB Mw` v dtj i exRZj v ^Zwi KtZ
n‡e | Pvivi eqm GK gwm ntj tivcY DcthwMx nq | kvLvi mnwth
Pviv ^Zwi Kivi Rb", MwQ dj t lqi ci, my'-mej MwQ wbePb
Kti, Zv t‡K 2.5 tmig PI or I 5-10 tmig j x̄v kvLw tKtU
wbtZ n‡e | KvUv kvLw t‡j v Qwqhy -'vtb ewj I t vAvk gwUi wgtY emwZ n‡e | Ggbfvte emwZ n‡e tbh
Kgc‡P GKwU MwU gwUi wbtP _vtK | wbqwgZ cwi PhPki t‡j kvLw t‡j v Z cPj wKko I Wj cuj v MRvte | el Rkij
Avevi kvLw Kj g t‡K Wj tKtU GKBfvte emwZ n‡e | c̄q gwmLwbtKi gta" tm, t‡j v Z chPw wKko MRv
Zv tivcY KtZ n‡e |

KvR : wKv_Av GKK KvR wntmte Mw` v dtj i kvLw Kj g ^Zwi i c̄q gwmLwP̄t̄ mn LvZvq wj Lte |

Rwg ^Zwi I Pviv tivcY : DPzGes t` vAvk gwUi Rwg Mw` v PvI i Rb" DÉg | 4-5wU PvI I gB w` tq Rwg
Si Si v Kti ^Zwi KtZ n‡e | el A tk‡l i w‡K Pviv tivcY Kiv fv‡j v| gj Rwg‡Z mwvi t‡K mwvi i †Zj 60
tmig Ges Pviv t‡K Pvivi †Zj 45 tmig ivLv nq | Ute tivcY Ktj Lv‡Uv Rwg‡Zi Mw` v wbePb Kiv nq |

mvi c̄qM : tkI PvI i mgq kZK c̄Z 40 tKwR cPv tMvei, 1 tKwR BDwvqv , 0.80 tKwR wGmwc, 0.70
tKwR Ggwc mvi fv‡j vfvte wgtq w‡Z n‡e | Pviv tivcYi 1-1.5 gwm ci i ay BDwvqv mvi kZK c̄Z 0.70
tKwR c̄qM KtZ n‡e | mvi fv‡j vfvte Rwg‡Z wgtq tmP w‡Z n‡e | Ute tivcY Ktj c̄Z Ute 250 Mw
cPv tMvei, GK Pv PvP Kti BDwvqv , wGmwc | Ggwc mvi wgtq Ue c̄' Z Kti Pviv tivcY KtZ n‡e |
tivcYi 1-1.5 gwm ci Avevi GK PvP BDwvqv mvi w‡Z n‡e |

Avši tcw PhP : MwQ tQwU Ae" vq wbqwgZ fvte AwMwQv cwi ®<vi KtZ n‡e | Rwg i m ejS 1-2wU tmP w‡j B
Ptj , Zte MwQ dj Avevi cti tmP t lqv fv‡j v| G‡Z dtj i AvKvi eo nq Ges D³/₄j Zv evto | tQwU AvKv i
tewk dj avevi Rb", MwQ mvgyb" eo ntj , MwQi AwMw tKtU tdj tZ nq | Gi dtj kvLw-ckvLw tewk nq Ges



wP̄t̄ : Mw` v dj

dj I teuk ati | So-eiZim, tmP t`Iqv I dtj i fvti MwQ hvZ
tnj bv cto tmRb MwQ evki Lyu w`tzeta w`tz nte|

tiM-tcvKv e`e-'vcbv : Mw`v dtj i MwQ tiM-tcvKvi AvugY tZgb
t`Lv hvq bv| Zte e`vKtUwi qvRbZ DBe tivM Awv Dci t`K
i`Ktq wbtPi w`tzK bvgZ _vtK Ges GK mgq ctiv MwQwU i`Ktq
gvi hvq| tiMwUi we`vi tiva Kivi Rb` AvuvS-MwQ DvWtq ctq
tdj tz nte|

dj msMh : dj KwP w`tz tevUmn tKtU msMh Ki`Z nte| tevUv
GKuzteuk iLkj dj teuk mgq mtZR _vtK| dj Ztj cwb wQwUtz
Ktj v cwj w`tz gto evRvti cwVtz nte|

bZp kā : AwdKvb Mw`v, diwm Mw`v, KvLvkj g|



WP̄ : Mw`v dj

cW-5 : tcqiv PvI c̄wZ

tcqiv evsj vt`ki GKwU RbwCq dj | tcqiv wfUwgb ðmō Gi GKwU c̄wb Drm| t`ki me`P Kg teuk G
dj Rtbv _vtK| Zte ewYwR`Kfvt ewi kyj, wctivRcij, Svj Kwv, PÆMg, Kngj w`tz GjvKiq Gi PvI nte
_vtK| evsj vt`ki AtbK aitbi tcqiv t`Lv hvq, Zvi gta` KvAb bMi, ^ieKwv, gKz`cji, KvRx tcqiv,
ewi tcqiv-2, ewi tcqiv-3 RvZ, tjv Ab`Zg|

gwU : tcqiv Liv mnòz DvM` Ges AtbK aitbi gwUtz Rbwtz
crti | Guv wKQw j eYvZvI mn` Ki`Z crt | ewYwR`Kfvt
Dscr`tbi Rb` De`P I Mfxi t`v-Auk gwU D`Eg|

MZ`Zvi : tcqivi Pviv c̄wbZ Rb t`K tmPw`i gvtm tivcY Kiv
nq| Pviv tivc`Yi Rb` 4x4 wguvi `ttZj 60x60x60 tmwg MZ`
^Zvi Kiv nq| MwZ`P Dcti i 30 tmwg gwU GKw`tK Ges wbtPi 30
tmwg gwU Abw`tK iLtz nq| Gevi RgvKZ Dcti i gwU MwZ`P
wbtP w`tz Ges wbtPi gwUi mvt_ 5-7 tKwR cPv tMvi mvi, 200
Mg wUGmw Ges 150 Mg Ggwic mvi fvjvfvte wguktq MZ`FivU Kti 10-15 w`b tifL w`tz nte|

Pviv tivcY : exR t`K Ges ,wU Kj`gi gva`tg tcqivi Pviv ^Zvi Kiv nq| exR Aev Kj`gi gva`tg
^Zvi KZ Pviv MwZ`P gvSLw`b j wMw`b nq| Pviv wJtK GKwU k³ Lyu mvt_teta w`tz nte thb evZvtm tnj bv
cto| Mi`-Qmtj i wZ t`K i`Pvi Rb` evki ^Zvi LvPv ev teov w`tz nq|
mvi c̄qwm : tcqiv MwQ c̄wZ eQi tdeqwi, tg I tmPw`i gvtm mgvB wZb wKw`tZ mvi c̄qwm Ktj fvjv
dj b cvl qv hvq| mvi GtKevi MwQv tMvovq bv w`tz hZ`i chS-wj cij v we`vi jvf Kti tm GjvKvi gwUi
mvt_ fvjvfvte wguktq w`tz nte| mvi c̄qwtMi ci cwb tmP AZ`vek`K|



WP̄ : tcqiv

MtQi eqm Abjwqx mtii i cwi giv

mtii i bvg	1-3 eQi
tMeli/Ktixu (tkR)	10-20
BDwi qv (Mg)	150-300
WUGmuc (Mg)	150-300
Gguc (Mg)	150-300

cwi PhP: eq- < MtQi dj msMöni ci AWM - tmtPxi gvtm A½ QUB Kiv nq | A½ QUB Ki tj MtQ bZb Wj cyj MRvq, dj avi Y evx cq | MQtK wbgmgZ dj evb iLtz Ges gubm ubedj tctZ Kip Ae-'vq kZKiv 25-50 fM dj QUB Kiv cÖqvRb | dj avi tYi mgq Gicj nZ Rb gvm chS-7-10 w b ci ci cwb tmP w tj dj b evx cq |

tiM-tcvKv eeslcbv : tcqiv Mq KRwbZ tiM AtbK mgq nq | G tivtMi Kvi tY cÖtg dtj i Mtq tQvU tQvU Ktjv `M t` Lv hvq hv ugvisq eo nq tcqivi Mtq ¶zi mjo Kti | dj tdtU ev ctP thZ ctj | G tivM `gibi Rb MtQi wbtP Sti cov cvZv | dj msMö Kti cÖtg tdj tZ nte | MtQ dj avi ci wje 250 Bwm (cÖZ wj Uvi cwbZ 0.5 wj) 15 w b ci ci 3-4 evi t`cÖKi tZ nte |

dmj msMö : KvRx tcqiv I ewi tcqiv eQti `Bvi dj w tq _vK | tcqiv cvKv mgq nq Gi meR is Avt-1 Avt-1 nj t` meR cwi YZ nq | tcqiv MtQi eqm I RvZtf` dj tb cv_R` t` Lv hvq | 4-5 eQti i GKU Mq t_k 15-20 tkR dj cvl qv hvq |

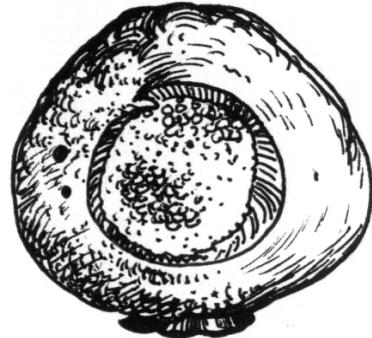
KvR : tcv-vi tccvti tcqivi Pviv tivctYi cÖZ A½b Kti tkWktp Dc-'vcb Ki |

bZp kā : A½ QUB, dj QUB, QKRwbZ tiM |

cW-6 : tctc PvI cÖZ

tctc AZ's-my' y cÖKi I JIax , Ym ubedj | Kip Ae-'vq Zi Kvi Ges cvKv Ae-'vq dj wntmte Lv qv nq | mviv eQi tctc cvl qv hvq |

tctci RvZ : Avgt` i t` tk kvnx, iWP, lqwsUb, nwbWD, cÖv Ges wet` k t_k Avg` wj Kiv wewfbcaitbi nwBwW RvZi tctc PvI Kiv nq |



IP : tivMvuvsttcqiv

Rwg wbePb I ^Zwi : DPz I giswi DPz t`v-Awk ev tej t`v-Awk gwU tacic Pvli Rb" DÉg | Zte Dchb
cwi Phfi Ovi v cñq me aiibi gwUZB tacici Pvli Kiv hq | Rwg 3/4 evi DÉgi‡c Pvli w‡Z nq | tacic
RjveZv mn" KitZ cñti bv |

Pvi v ^Zwi : fvtj v wgiÓ tacic t‡K exR msMö Kti extRi Dc‡ii mv`v AveiY mwi‡q UWUKv Ae"vq exRZjvq
ev cñjw_b e‡tMi gwUZB exR ecb KitZ nq | exR ectbi ci cñqRbxq cñb tñP w‡Z nq | 15-20 w‡bi
g‡a" Pvi v MRvq |

Pvi v tivcY cñZ : tacic mvi v eQi Pvli Kiv hq | Zte ewYR"Kfvte Pvli i Rb" Awkb-KwZk ev diep-^P
gym DÉg mgq | wbePZ mg‡qi `gym Av‡M Pvi v ^Zwi i Rb" exR ecb KitZ nq | t`o t‡K `gym eq‡mi
Pvi v tivcY Kiv nq | 2 wgi v `‡i `‡i 60×60×60 tmig AvK‡ii gy`v ^Zwi Kti Pvi v tivcY Kiv nq |
tivc‡Yi 15 w‡b c‡e®gv vi gwUZ mvi wgi‡Z nq |

mvi cñqM cñZ : cñZU gy`vq 500 Mö wGmwc, 250 Mö wRcmwg, 25 Mö tevi , 20 Mö wRsK
mj‡dU Ges 15 tKwR ^Re mvi gwUi m‡_ fvtj v fvte wgi‡q w‡Z nte | Pvi v j wM‡bvi ci M‡Q bZb cvZv
G‡j BDwqv I Ggwc mvi 50 Mö Kti cñZ GK gym AŠÍ i cñqM KitZ nte | M‡Q dj G‡j G gy†v w‡Y
Kiv nq | tkl dj msMöni GK gym c‡e® Ggwc I BDwqv mvi cñqM KitZ nq |

AšeZKujxb cwi PhP: GKj ½ RvtZi t¶t† cñZ gy`vq 3wU Pvi v tivcY Kiv nq | dj G‡j 1w _‡x M‡Q ti‡L
ewK M‡Q Z‡j tdj‡Z nte | ci wM‡q‡Yi myeavi Rb" ewM‡b 10% cj1 M‡Q ivLv nq | dj n‡Z dj aiv wñOZ
g‡b n‡j GKU tevUq GKU dj ti‡L ewK, t‡j v wQto tdj‡Z nq | M‡Q hv‡Z Sto bv fvt½ Zvi Rb" ewtki
Lyw‡q M‡Q teva w‡Z nte |

tiw-tcvKv I cñZKvi : exRZjv ev cñj e‡tMi gwU mñZ‡mtZ _vK‡j Pvi v X‡j cov Ges m‡zbKv e"e"vi
Afvtel mgq gy‡V eq®< M‡Q KvÈ cPv tiw t`Lv w‡Z cñti | Q†vKRibZ G tiw `g‡bi Rb" M‡Qi
tiwovi cñb wbKv‡ki fvtj v e"e"v ivL‡Z nq, tiwµvší Pvi v M‡Q gwU n‡Z Dw‡q cñotq tdj‡Z nq | tacic
M‡Q tgvRvBK fvBim I cvZv tKwKv‡bv fvBim tiw t`Lv w‡Z cñti | tgvRvBK tivM cvZv nj‡`fve I
tgvRvB‡Ki g‡Zv g‡b nq | Gme tivM cvZvi dj K cj"l f½j n‡q hq | ewM‡b tKv‡bv M‡Q fvBim t`Lv
w‡j Zv m‡_ m‡_ Dcñotq cñZ tdj‡Z nte |

dj msMö : d‡j i KI Rjxqfve aviY Kitj mevR wñ‡m‡e msMö Kiv hq | d‡j i ZK nyj Kv nj‡` eY®aviY
Kitj cvKv dj wñ‡m‡e msMö Kiv nq | RvZ‡ft` dj‡b cv_R" t`Lv hq | Zte kwnx tacici dj b cñZ tn‡ti
40-50 Ub nq |

KwR : tacici Pvi v Drcv b | Pvi v tivcY cñZ m¤ú‡K‡L‡q tj L Ges tkwvK‡¶ Dc"vcb Ki |

bZb kā : tevi v mvi , fvBim tiw, gy`v ^Zwi |

CW-7 : Kw̄l m̄mvei ꝓY c̄kZ (dmj Drcv` b)

AѣbK ḡb| dmj Drcv` bѣK eѣemv m̄tmté wѣtq _vѣK | ZvB dmj Drcv` b eѣq Ges Drcw` Z dmj m̄mve Kti Aѣtq Gi m̄mve Kti _vѣK | h̄v tKv bv dmj Drcv` b eѣq tѣK Avq Kw̄l Z ḡv vq tei nq Ztě tm dmj Drcv` b h̄v qv DvPZ | dmj Drcv` b Avq-eѣq -vB, Kvj I cv̄t f̄t` wfbentZ cv̄t | dmj Drcv` b Avq-eѣtqi m̄mve KitZ ntj Avgv` i c̄t KZ aiѣbi eѣq I Avq ntZ cv̄t tm wetq RvbZ ntě | dmj Drcv` b Avgv wZb aiѣbi eѣq t̄ LfZ cvB; h_ñK) DcKiY eѣq, L) Dcw eѣq Ges M) tgwU Drcv` b eѣq |

K) DcKiY eѣq : DcKiY eѣqѣK Awei ꝓB f̄tM fM Ki v nq; h_ñ

1. e-’ MZ DcKiY eѣq : dmj Drcv` b exR, mvi, t̄mP BZw` i Rb” th eѣq nq ZvѣK e-’ MZ DcKiY eѣq etj | e-’ MZ DcKiY eѣq wѣtPi QѣKi gvaѣg tei Ki v nqñ

muigK bs	DcKiY	tňi c̄kZ c̄tqvRbxq DcKiY (tKvR)	DcKiѣYi gj” nvi (UvKv)	tňi c̄kZ eѣq (UvKv)

2. Ae-’ MZ DcKiY eѣq : dmj Drcv` b KvѣR c̄tqvRbxq kigK | ci ev h̄všK kwži Rb” th eѣq c̄tqvRb nq ZvѣK Ae-’ MZ eѣq etj | thgbñ Pviv tivctYi Rb” kigK, Rvq Pvѣl i Rb” LiP BZw` | Ae-’ MZ DcKiY eѣq wѣtPi QѣKi gvaѣg tei Ki v nqñ

muigK bs	KvѣRi m̄eiy	kigK msL” ev PvI msL”	~wѣK gRv i ev PvI c̄kZ LiP (UvKv)	tňi c̄kZ eѣq (UvKv)

L) Dcw eѣq : dmj Drcv` b Kvѣj tgwU DcKiY eѣtqi Dci my | Rvq gѣj” i Dci my |

M) tgwU Drcv` b eѣq : tgwU DcKiY eѣq | tgwU Dcw eѣtqi thwMdjѣK tgwU Drcv` b eѣq etj |

tgwU Drcv` b eѣq = tgwU DcKiY eѣq + tgwU Dcw eѣq |

dmj Drcv` b AvqѣK Awei ꝓf̄tM fM Ki v nq, h_ñK muigMK Avq | cKZ Avq | Drcw` Z dmj | Dc` e m̄mve Kti th Avq nq ZvѣK muigMK Avq etj, thgb- avb PvI Kti Drcw` Z avb | Lo m̄mve Kti c̄kZ Avq | muigMK Avq tѣK tgwU Drcv` b eѣq ev` wѣtj th Avq _vѣK ZvѣK cKZ Avq etj | cKZ Avq = muigMK Avq - tgwU Drcv` b eѣq |

tZvgiv wK wv` ꝓcwigY RvqѣZ tctc Pvѣl i Rb” cKZ Avq tei KitZ cvit ? tctc Pvѣl cKZ Avq tei Ki v Rb” wѣtPi eѣq | Avtqi m̄mve Avgv` i KitZ ntě :

e⁻ MZ DcKiY e⁻q :

1. exR, mvi, KxUbukK, Q̄vKbukK, evk, m̄Zwj, cwb̄tmP eve` LiP tei KitZ nte|

Ae⁻ MZ DcKiY e⁻q :

1. exRZjv ^Zwi, exR tcb, Pviv cwiPh®, Pviv tZyjvi kigtKi msLv | LiP tei KitZ nte|

2. 3 evi Rwg PvI I gB Gi Rb® Pyl i LiP tei KitZ nte|

3. gv`v ^Zwi, mvi tgkuibv, Pviv tivctYi Rb® kigtKi msLv | LiP tei KitZ nte|

4. mvi c̄qM I Abib® cwiPh®, dmj msMni Rb® LiP tei KitZ nte|

Dcwi e⁻q :

1. tgU DcKiY e⁻qi Dci 12.50% nti dmj Drcv` bKjxb mḡtqi my tei KitZ nte|

2. Rgi evRvi ḡtj i Dci 12.50% nti dmj Drcv` bKjxb mḡtqi my tei KitZ nte|

tgU Drcv` b e⁻q : tgU DcKiY e⁻q | tgU Dcwi e⁻q thM Kti tgU Drcv` b e⁻q tei KitZ nte|

m̄gM̄K Avq : m̄te dj btk evRvi` i w̄tq , b Kti m̄gM̄K Avq tei KitZ nte|

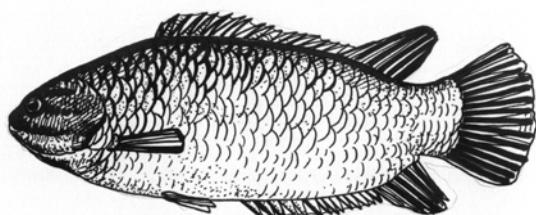
c̄KZ Avq : m̄gM̄K Avq t_ tK tgU Drcv` b e⁻q weqM Kti c̄KZ Avq m̄mve KitZ nte|

KvR : w̄kPv_Rv `tj fM ntq 1200 eMgUvi RwgZ tcc Pyl i Rb® Avq-e⁻qi m̄mve Ki |

bZb kā : e⁻ MZ DcKiY e⁻q, Ae⁻ MZ DcKiY e⁻q, Dcwi e⁻q, tgU Drcv` b e⁻q, m̄gM̄K Avq, c̄KZ Avq |

cW-8 : ^K gwQ PvI c̄wZ

^K gwQ GKvU my`y gwQ | evsjv` tki gwbtI i KvQ GwU Lp RbwC | Avgt` i t`tk nvi i, Lvj, wej, twewq
^K gwQ cvl qv hvq | ^K gwQi th RvZvUi Gt` tk PvI nq tmvU _vbj vU t_k Avg` wbKZ | _vB ^K gwQ t`w
RvtZi tPq AwaK eaBkj | ^K gwQ cwb̄tZ Abib® gwQi gtZv dj Kvi m̄nvth Aw tRb M̄Y Kti | w̄ksj-
cwb̄ Dc̄ti Gtj Gt` i Pvovi wb̄tP Aew` Z GKvU wekli A½ 0iv c̄KZj cwi tek evZv t_k Aw tRb
msM̄o Kti teP _vKtZ cvti | ^K gwQi PvI GLb jvfRbK |



w̄t : ^K gwQ

KvR : w̄kPv_Rv `tj fM ntq ^K gwQi PvI
পদ্ধতির ^ewkó" LvZvq wj tL tkM̄tZ
Dc̄vcb Kitte |

^K gwQ Pyl i iZj: G gwQ my`y i c̄oKi | evRvi c̄bi Pviv i tqtQ | evRvi gj`i teik | ^i Mfxi Zv
c̄Kti | AwaK Nb̄tZj PvI Kiv hvq | G gwQ PvI Kti cwi ewi K c̄wYR Awgti i Pviv tgUvibv m̄e |

Pv! t̄hM̄ cKt̄ i ^enkó : cKi w̄ tLvj v̄gj v RvqM̄q n̄te| cij t̄ vAik ev Gt̄uj t̄ vAik gw̄utZ cKi n̄tj
f̄t̄j v̄l cKi k³ | cwi®<vi cvohb̄ Ges eb̄vgy³ -v̄b n̄tZ n̄te| cKt̄i AšZ 5-6 ḡm cwb̄ _Kt̄Z n̄te|
P̄t̄l i Rb̄ cKi c̄' w̄Z : K gw̄Qi cKi c̄' w̄Zi Rb̄ w̄b̄Pi c̄ t̄lcmga Ab̄ni Y Ki t̄Z n̄te-

cvo tgivgZ : cKjii cvo fv½v _vKtj tmUv fv‡j vfv‡e tgivgZ Kitz n‡e | cvo eo MvQcvj v _vKtj tm,tjv
tQtU w ‡Z n‡e hv‡Z cKjii ch‡B Av‡j v cto |

Rj R AℳQv `gb : cKⁱ n‡Z Rj R AℳQv cwi®<vi Ki‡Z n‡e thb cK‡i ch‡B m‡‡j vK c‡o| ZvQvov
AℳQv gy‡ cKⁱ gy‡Qi cK‡ZK Lv`^ Zw‡Z mnvqZv K‡i |

iv¶m | AewAZ ḡQ Acmvi Y : cKi n‡Z iv¶m ḡQ | AewAZ ḡQ ` ‡ Ki‡Z n‡e | Kvi Y iv¶m ḡQ ^K
ḡ‡Qi tcwbv tL‡q td‡j | AewAZ ḡQ ^K ḡ‡Qi Lv` " tL‡q td‡j | evi evi Rvj tu‡b ev cKi kyK‡q ev c‡z
kZK cKi 20-30 M̄g tivUbb c‡qM K‡i G‡` i ` ‡ Ki v hvq |

Pb cōqM : Pb cōqM cwb | gwJi A¤Zi `+ nq | Pb cwb iNjvZi `+ Kti Ges ^K gvtQi +iM cōZ+i+ta
mvnvh` Kti | ZvB cōZ kZK cKti 1-2 tKwR Pb cōqM KitZ nte |

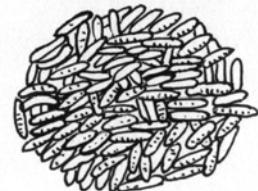
mvi c@qM : ^K g†Qi PvI A†bKUv K†g L†`"i Dci wbfPKxj | Zej Pb
c†q†Mi 7 w b ci kZ†K 100 Mg BDwjqv | 50 Mg wGmwC cwbtZ wfwRtq
mh@j†Ki mgq c@qM KitZ nte |

tcvbv Qovov : ^K ḡQ ēōi mgq KvZ n̄tq Kv̄b t̄n̄tU GK ~'vb t̄_t̄K Ab~ ~'v̄b
th̄tZ m̄l̄g | tm Rb~ ^K ḡt̄Qi tcvbv Qovov c̄ēc̄K̄t̄ii Pviw̄ t̄K b̄vBj b tbU
w̄tq teov w̄tZ n̄te | tcvbv c̄lientbi mgq mZK̄v Aej x̄b K̄t̄Z n̄te thb
tcvbv AvNvZc̄B bv nq | c̄K̄t̄i tcvbv Qovov c̄ēc̄Aek̄B tcvbv t̄K c̄K̄t̄ii c̄mbi
m̄t̄ Lvc LvBt̄q w̄b̄t̄Z n̄te | c̄Z kZt̄K 400-500 tcvbv gR̄y Ki v h̄te | G
i Kg gR̄y Nb̄t̄Zj Aek̄B ^Zvii Lv̄ mi ei v̄n K̄t̄Z n̄te |

Lvevi cōvb : ^K grQ‡K Lvevi wntmte wdkgj , mwi lvi ^Lj , P†j i
KdV , M‡gi fym cwb Øiv wglkZ K‡i ej ^Zwi K‡i cK‡i ki K‡qKwU
wbw` S -'vb cōvb Ki‡Z n‡e | Awei evRvi n‡Z ewYwR^K Lr`
wK‡bI mieiw Kiv th‡Z cu‡i | cōZw‡bi gr‡Qi †n IR‡bi 4%
t‡K 8% n‡i Lr` w‡Z n‡e | cōZw‡b Lvevi `B fWM K‡i mKv‡j |
weKv‡j w‡Z n‡e |



WPT : ^K gvtQi tcvbw



WP̄ : ^K gvtQi ^Zwi Lv` "

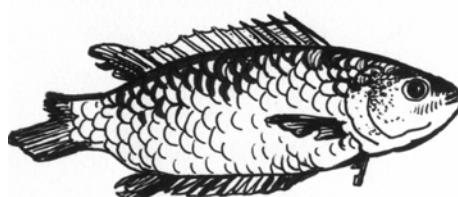
bZb kā : cÖZKj cwi tek, Kµñq Lv` "

cW-9 : $\bar{K} \rightarrow Q_i + M e^+ e^- \nu \bar{\nu}$

mbtP ^K gvtQi tiM cÖZtiagj K e^e^-vgn Dfj L-Kiv ntj v-

- 1| gvtm AšZ GKevi Rvj UbtZ nte|
- 2| gvtQi Mo IRtbi mt_wgj tifL cKti cÖmg Lv mi eiñ Ki‡Z nte|
- 3| cwbis Mvp meR ntj ev cwb bó ntj cwb cwi eZ K‡Z nte|
- 4| cKti jyj -i cotj cÖZ kZ‡K 50 Mög wPs cvDwvi cÖqM Ki‡Z nte|
- 5| ^K gvtQi cKti cPi cskub ^Zvi nq hv cKti i cwb cwi tek bó Kti | cskub mbqšjYi Rb kZK cÖZ 12U tZj mcqy I 4U wj fvi Kv‡cP tcwvi Qov th‡Z cvi |
- 6| cwb‡Z Aw tRtbi Afve ntj cKti euk wciUq ev muZvi tKtU Aw tRb tgkv‡bi e^e-'v Ki‡Z nte|
- 7| tiM cÖZtiat Rb k‡Zi t‡Z kZ‡K 0.5-1.0 tKtR nvi Pb ev 200-250 Mög wRI jwBU cÖqM Ki‡Z nte| Awvi gvtm 2 evi Kti cÖZ kZ‡K 250 Mög nvi jeYI cÖqM Kiv th‡Z cvi |

KwR: ~~wk¶v_Rv~~ `tj fw n‡q ^K gvtQi tiM cÖZtiagj K e^e^-vgn Awj wPbv Ki‡e Ges LvZiq wj tL tk‡Z Dc'wcb Ki‡e |



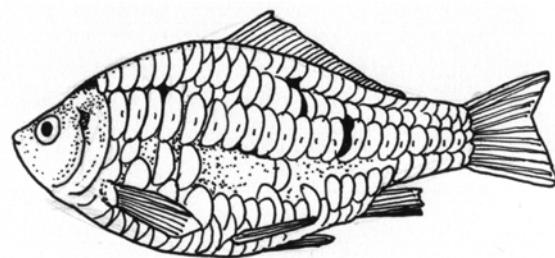
WPT : ^K gvtQi tjR I cvLbv cPv tiM

cKti ^K gvtQi tiM t` Lv w` tj mbgevYZ wPwKrmv ev cÖZKvi gj K e^e-'v MöY Ki‡Z nq-

- 1| gvtQ e^vK‡Uwi qvRwZ tiM ev tjR I cvLbv cPv tiM t` Lv w` tj Kvi mij tdu cÖZ kZ‡K 6-8 Mög nvi cKti cÖqM Ki‡Z nte|
- 2| gvtQi kxti DKb ntj cKti wcvut 0.25-0.5 wj Mög/wj Uvi nvi mBvtn 1 evi wnmvte cici 3 evi cÖqM Ki‡Z nte|



WPT : DKb Awvus-GKwU gwQ



WPT : e^vK‡Uwi qvq Awvus-GKwU gwQ

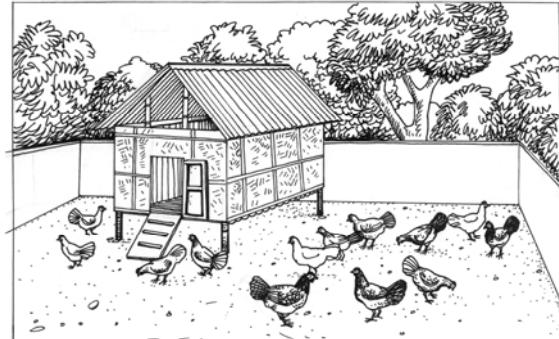
- 3| gvtQi ¶ZtiM ntj cKti Kvi mij tdu wUtg‡Ui cvkvck cÖZ tKtR Lvvtii mt_ 3-5 Mö Aw tUvibwKb mvZ w` b e^envi Kti tiM mbqšjY Kiv m‡e|
- bZb k‡ : cÖZKvi e^e-'v, cKti jyj -i, tjR I cvLbv cPv tiM, gvtQi DKb |

CW-10 : gjWM cvj b c~~W~~Z

gj^B ev Qvor c^WZ‡Z gj^M cyj b : G c^WZ‡Z m^WU^Cgj^B ev tLvj v Ae⁻ vq gj^M cyj b Kiv nq | Áí msL^K gj^M cyj b G c^WZ L^EB mnR I Rb^Wc^W | evsj v‡ tki M^Wg^Atj ewo‡Z ewo‡Z G c^WZ‡Z gj^M cyj b Kiv nq | G t¶†† gj^M mvi w b emZewoi Pri c^Wk Nti wd^Wt i wb^WtRi Lv[~] wb^WtRB msM^W Kti | G† i‡K ewoi Dw^WQÓ Lv^Wevi I miei v Kiv n‡q _v‡K | m^WU^vi mgq Giv wb^WR evm^W wd^Wt Av^Wt | G t¶†† evm[~] v‡bi Rb[~] tZgb LiP nq bv | G c^WZ‡Z gj^M cyj b LiP Kg | Kvi Y GLv‡b Lv[~] I kigK j v‡M bv | e^WY^WR^WKfv^{te} gj^M cyj b G c^WZ e^Wenvi Kiv nq bv | t`wk gj^M G c^WZ‡Z cyj b Kiv j v‡RbK |



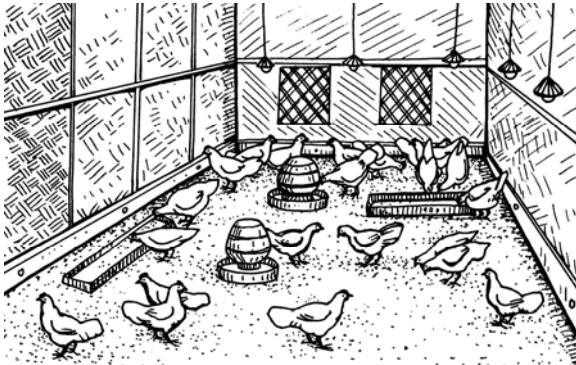
WPI : gj3 c~~o~~ ZtZ emotZ gjM cvj b



চিত্র : অর্ধ আবন্ধ পদ্ধতিতে মুরগি পালন

Aa[◎]Ave[¶]c[¶]Z‡Z gj[¶]M cyj b : G c[¶]Z‡Z gj[¶]Mi Rb[¶] wb[¶] Ó Ni _v‡K| gj[¶]Mi N‡i i Pvi w[¶]tK teov ev
t[¶]qyj w[¶]tq A‡bKLwb RvqMv tNivl Kiv nq| gj[¶]M mvi w[¶]b G RvqMvq P‡i teovq| So I ej[¶]oi mgq gj[¶]M
N‡i M‡q DtV| ZvQovr iv‡Z Giv N‡i Avkq tbq| wb[¶] RvqMvi gta[¶]_vKvq Zviv c[¶]qRbgtZv Lv[¶]| I c[¶]mb
cvq bv| ZvB GL‡bI G‡i‡K Lv[¶]| I c[¶]mb miei v Ki‡Z nq| Lv[¶] miei v ni Kvi‡Y G c[¶]Z‡Z Drcv[¶]b
LiP tevk ntq _v‡K| Aa[◎]Ave[¶]c[¶]Z‡Z nvBle[¶]w gj[¶]M cyj b bv K‡i Dba[¶]Z R‡Zi dvDwg, A‡ij c[¶]ev ti w
AIBj vU t[¶]i w R‡Zi gj[¶]M cyj b KivB fij |

KvR : **W** **P** **V** **A** **v** `j M Z f v t e P v i f M n t q g j w M c v j t b i w e w f b o c **Z** i m y e a v w j t L t k i Y t Z D c - ' v c b K i t e |



WPI : Aveন্দ্র চন্দ্র ZfZ tgfSfZ gj W এবং ej b



MP1 : Ave এবং ক্ষেত্রফল প্রযুক্তি মেটেরিয়াল

Ave^o c^oZ^tZ gj^M cyj b : G t[¶][¶] m^ou^Y Ave^o Ae⁻ vq A^tbK gj^M N^ti i g^ta^o cyj b Kiv nq| GL^tb Ni^tK gj^M cyj b Dc^thMx K^ti wbg^Y Kiv nq| G^tK gj^M Mi Lvvi e^tj | m^oavi YZ Ave^o c^oZ^tZ tgtS^tZ gj^M cyj b Kiv nq| Avevi At^tb^tK L^tPqI gj^M cyj b K^ti _v^tK| N^ti i tgtS m^oZ^tm^tZ ntj gvPq gj^M cyj b Kiv hvq| ewY^oR^oK gj^M cyj t^b G c^oZ tek Rb^tc^tZv j^vf K^ti t^Q| G c^oZ^tZ gj^MK c^tq^tRbxq Lv^o I c^ob mieiⁿ Kiv nq| ZvB G t[¶][¶] e^oe⁻vcbv LiP te^k Ges j^vfI te^k| Db^t Rv^tZi wNg c^oov gj^M, e^tq^tvi I tj q^{vi} nvBw^W gj^M Ave^o c^oZ^tZ cyj b Kiv nq| G t[¶][¶] Aí RvqMq GKm^t_ A^tbK te^k gj^M cyj b Kiv hvq|

bZb kā : ewY^oR^oK, DwQó , e^oe⁻vcbv, nvBw^W, e^tq^tvi I tj q^{vi} |

CW-11 : gj^M Mi Lv^o I c^ob e^oe⁻vcbv

gj^M Mi Lv^o e^oe⁻vcbvB n^tQ Ab^tZg c^ob n^tq| emZemotZ gj^o ev Qov c^oZ^tZ cyj b Kiv gj^M Lv^ti i eR^o, Si^t km^o, tc^tKvg^tKo, kvKme^tR BZ^w tL^tq Rxeb avi Y K^ti | ZvB Giv c^owgZ I m^tg Lv^ti c^oq b^t| emZemotZ Db^t Rv^tZi gj^M cyj b K^ti m^tg Lv^o bv^t t^b c^tq^tRbxq wNg I g^tsm c^tl q^v hv^t bv| Lv^ti gj^M cyj t^b hZ UvKv LiP nq Zvi 70% Lv^o LiP| gj^M c^tl c^ogY c^ob c^ob K^ti | ZvB gj^M Mi Lv^ti Lv^o I c^ob e^oe⁻vcbv iZ^tçY^o

gj^M Mi c^ojo I Lv^o DcKiY : gj^M t^tni Rb^t AZ^tek^tKxq c^ojo Dc^tv^tb^t t^tv nt^tQ KK^o, AwgI , tm^o, L^tbR jeY, wfUngb I c^ob| m^tg Lv^ti gj^M t^tni c^tq^tRbxq c^ojo Dc^tv^tb^t t^tv Dc^tv^tZ _v^tK| gj^M c^ojo Drm wnt^tte e^oe⁻Z wnfba^t DcKi t^tYi Zwi Kv wbtP t^t l^tq^v nt^tj v-

μ ^t gK bs	c ^o jo Dc ^t v ^t b	Lv ^o DcKiY
1	KK ^o	Mg, f ^t E ^t , Pv ^t j i L ^t y , Pv ^t j i K ^t v, M ^t gi f ^t m BZ ^w
2	AwgI	i ^t lk ^t gv ^t Q ^t i , ^t ov, mqweb w ^t gj , wZ ^t j i ^L ^t j , m ^t vi l ^t i ^L ^t j BZ ^w
3	tm ^o	mqweb t ^t Zj , m ^t vi t ^t Zj , wZ ^t j i t ^t Zj BZ ^w
4	L ^t bR	Lv ^o j eY, n ^t toi , ^t ov, wSbjK-kvg ^t Ki , ^t ov, wfUngb-L ^t bR w ^t gkY
5	wfUngb	kvK-mewR, wfUngb w ^t gkY BZ ^w
6	c ^o b	wD ^t eI t ^t qj I K ^t c Gi w ^t i ^t c ^o b



wP̄ : Mg



wP̄ : i^tlk^tgv^tQ^ti ,^tov



wP̄ : Pv^tj i K^tv



wP̄ : wSbjKi ,^tov

gj Mi tikb : evRvi evYR Kfite gj Mi Rb 3 ai tbi Lv cvl qv hvq | tj qui gj Mi Rb evPvi tikb,
evoš-gj Mi tikb I wng cror gj Mi tikb cvl qv hvq | ej vi gj Mi Rb evPvi tikb, evoš-eqj vi tikb
I wdbkv tikb cvl qv hvq | ZvB gj Mi eqm | Dti k Abjnti tikb ^Zwi Kti ev evRvi t_#K Ktb
gj M#K Lvl qvZ nte |

gi Mi tikb ^Zwi : `vbr`vi Lv` DcKiY w tq gi Mi myg tikb ^Zwi Ki v nq| tikb ^Zwi i mgq c q 45-55% Mg I f j, Pv j i K b I M tgi f m 15-20%, mqweb w j I w Ztj i ^Lj 10-15%, i w K gytqi , 6-10%, ntoi , ev w SbK-kigtKi , 2-6% e envi Ki v nq| ZiQov tikb Lv` jeY I wfUwgb-LwR w gkY thM KitZ nq| tikb ^Zwi i ci Lv` DcKiY fv j fv te w gkZ KitZ nq| w P w g cov gi Mi tikb ^Zwi i GK w bgv t` qv ntj-

μigK bs	Lv` `` DcKi Y	kZKi v nvi (%)
1	Mg fv½v I fv½v	47.00
2	Mtgi fjm I Ptji Kpv	16.00
3	mqweb wqj	10.00
4	WZtji ^Lj	10.00
5	T Wk gvtQi ,Dv	10.00
6	WSbK -kvgtKi ,Dv	6.00
7	Lv` `` jeY	0.50
8	wfUwgb -LwbR wqkY	0.50
	tgwU	100.00

Lv` | cwb mieivn : c^zU ev'Pr gjM 10-15 M^g Lv` | eqm evovi mv₁_mv₂_ Lv` | mieivni cwi gyY
evovtZ nte | eq< gjM^tK ^^wbK c^zq 100-120 M^g Lv` | Ges 200 wgwj wj Uvi RxevYgy³ weii^w cwb w₁ tZ
nq | c^zU b Lv` | ci^z | cwbci ci^z ci^z vi Kti eenvi KitZ nte |



WPÍ : gyi wMi Lv` ..



WPI : cvi cibi cvi

bZb kā : t̪i kb, m̪d̪m̪bkvi t̪i kb |

cW-12 : gjWMi + iWM-e"e-'vcbw

gibſſi g‡Zv cwlſſi i l newfbæti M ntq _v‡K| gvbj | ci cwlLi ^vfwæK ^v‡ſſi wePwZtK ti M ej v nq |
kixtii A ^vfwæK j ¶YtK ti v‡Mi ewntcKvk wntmte wePbv Kiv ntq _v‡K| ti M e'e' vcbv ej tZ Gi
clZtiva, ti M wbYq | cÖZKvi tK tevSvq | cÖ_wgKfite ewn'K j ¶Y t^ tL Am̄' gj M kbv³ Kiv hvq | wbP
GKwU Am̄' gj Mi j ¶Y t^ I qv ntj v-

- 1 | Amy' gjwM `j t_‡K Avj v` v n‡q hvq |

2 | gw‡tZ e‡m wSgv‡Z _‡K |

3 | Lv`" I cwb M‡Y K‡g hvq ev Z‡M K‡i |

4 | gjwMi M‡qi cvj K‡j v Dm‡Kv-L‡Kv t` Lvq |

5 | cvqLbv ~vfw‡eK nq bv |



newfbaekvi t'Y cwlLi tiM n tq _vK | tiM Mi clvb Kvi Y ॥P̄ : GKwU Am̄' gjMi ewn'K j P̄Y
RxeVYj gjMi fvBim I eVktUwi qvRwbZ tiM LyeB
givvZIK | fvBimRwbZ tiM wPKrmv tbB | ZvB tiM t'Lv v t̄j gjM t̄K Avi ePiP̄t̄bv hvq bv | ZvQvov
ci RxeRwbZ tiM gjMi AtbK P̄wK Kti _vK | gjMi fvBim I eVktUwi qvRwbZ tiM t̄K i P̄vi Rb
wbgwZ wJKv cōvb Ki t̄Z n te | wJKv t̄ I qvi ci H tiM weit̄ gjMi kixti cōZ t̄iva P̄gZv M̄to D̄t̄V |
ZvB emoi ev Lvgt̄i i mKj m̄' gjM t̄K GKm̄t̄ wJKv v t̄Z nq | wbt̄P gjMi KZ t̄j v tiM bvg t̄ I qv
nt̄j v-

- 1 | f¹vBi mmRwbZ t i M : i vYx²t³Z, Mg⁴te⁵i v, eW⁶d⁷BZ⁸w` |

2 | e⁹vK¹⁰Uw¹¹qvRwbZ t i M : dvD¹²tqj K¹³j i v, dvD¹⁴tqj UvBd¹⁵qW, ct¹⁶j vi v g, h¹⁷v, eUw¹⁸j Rg BZ¹⁹w` |

3 | ci RxexRwbZ t i M : gj²⁰Mi t²¹t ni wfZ²²t i | evB²³t i `B ai²⁴tbi ci Rxex t²⁵Lv hvq | t²⁶t ni evB²⁷t i cvj²⁸t Ki
 wb²⁹tP D³⁰Kb, AvUw³¹j | giBU n³²q _v³³K | t³⁴t ni wfZ³⁵t i M³⁶j K³⁷g | wdZv K³⁸g Øiv³⁹ gj⁴⁰M tenk Awp⁴¹S-nq |
 Gi v gj⁴²M KZ⁴³ L⁴⁴l qv c⁴⁵óKi L⁴⁶l f⁴⁷M emvq | At⁴⁸bK K⁴⁹g c⁵⁰Li kixi t⁵¹K i⁵²3 P⁵³I tbq | ZiQov⁵⁴
 gj⁵⁵M⁵⁶K c⁵⁷qB i⁵⁸3 Avg⁵⁹kq n⁶⁰Z t⁶¹Lv hvq | G t i M⁶²U
 tc⁶³t Ut⁶⁴Rvqv Øiv⁶⁵ n⁶⁶q _v⁶⁷K | Mncw⁶⁸j Z c⁶⁹i xN⁷⁰P b Lvgt⁷¹i
 _v⁷²K | ZvB t i M n⁷³j G⁷⁴i wP⁷⁵Krmv Øiv⁷⁶m⁷⁷j K⁷⁸i c⁷⁹vi v q
 Drct⁸⁰t b wb⁸¹tq Awv hvq | wK⁸²syew⁸³yR⁸⁴K gj⁸⁵Mi Lvgt⁸⁶i GUv
 m⁸⁷ø nq bv⁸⁸ | ZvB gj⁸⁹Mi Lvgt⁹⁰i t i M c⁹¹Ztiva e⁹²e⁹³v M⁹⁴o
 tZv⁹⁵vi Rb⁹⁶ wbgu⁹⁷LZ c⁹⁸t⁹⁹Zcmga Ab¹⁰⁰mi Y Kit¹⁰¹Z n¹⁰²e-





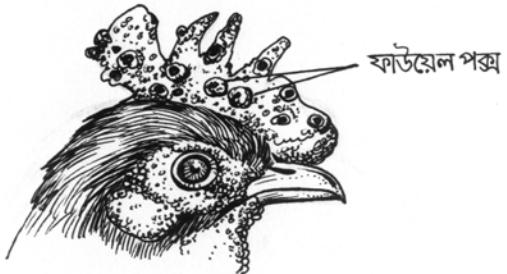
- | | |
|---|---|
| 1 | gj w Mi Ni I Gi Pvi cwk cwi "Qbaei vLv |
| 2 | gj w Mi Lvgti eb" ci cwl‡K X‡K‡Z bv t` qv |
| 3 | gj w‡K mgqgtZv wUKv t` I qv |
| 4 | gj w‡K ZvRv Lv` " tL‡Z t` I qv |

5 | gj̥iM‡K weि॒ क cwb miei॒n Ki॒v |
6 | gj̥iM‡K m̥g Lv`॒ मiei॒n Ki॒v |
7 | gj̥iMi we॒Qvbv ि॒क्र i॒Lvi eे॒'v Ki॒v |
8 | gj̥iMi we॒ôv Lvgi t_‡K `‡i msि॒P Y Ki॒v |

KvR : **likPv_Mi** `j MZfvte gi Mi mavi YZ Kx Kx ai tbi ti M nq Zvi GKU Zwj Kv ^Zvi Kti tkwytZ
Dc-'vcb Ki te |

gi Mi Lvgti t M t Lv w tj AvZw4Z bv n tq c tg GKRb ci P Krm Ki m t_ c v gk ©Kt i AwZ `Z
bgevY Z e e -'v M b Y Kiv D w P -

1 | Amy' cwlŁtK Avj`v Kti chę¶Y Kiv|
2 | c̄qyRb ntj cwlLi gjḡ ci x¶vi ēe-`v Kiv|
3 | gvi vZtK fvBim tivM ntj mKj gy MŁtK aŶsm Kiv|
4 | gZ cwlŁtK gwUi wbtP Pvcv t` I qv|
5 | ti wMuš-gji w evRt i weju bv Kiv|
6 | ci w³vti i ci vqk@btq cwlŁtK wPiKrmv t` I qv|



চিত্র : ফাউয়েল পৰাৰ রোগে আক্ৰান্ত মুৱাগি

bZb kā : f\B{v}Bi \m, e\B{v}K\B{t}Uwi \q, c\B{i} Rxex, c\B{O}Z\B{t}i va, t\B{C}t\B{t}Uv\B{t}Rv\q |

cW-13 : QWmj cvj b c~~W~~ Z

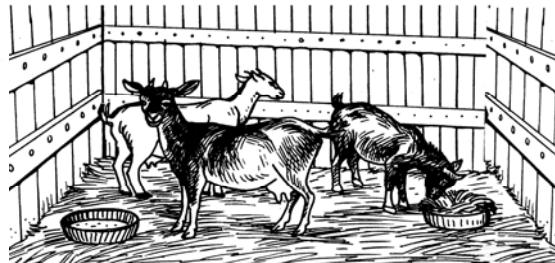
evsj v̄t̄ t̄k QMj Ab̄ Zg Mpcw̄j Z c̄i | QMx 7-8 gvt̄mi gtā ev̄Pv avi Y ¶gZv ARØ Kt̄i | GiU GKmt̄_ 2-
3iU ev̄Pv t̄ q̄i Kvi t̄Y KI.t̄Ki w̄bKU L̄e Rbw̄c̄ | GKU QMj L̄wm 12-15 gvt̄mi gtā 15-20 t̄Kw̄R n̄t̄q
_v̄t̄K | QM̄t̄j i gvs̄m L̄e m̄y^y ZvB evRv̄t̄i G QM̄t̄j i ĀtbK Pw̄n̄v i t̄q̄t̄Q | QMj t̄K Mwi t̄ei Mwf̄x ej̄v nq̄ |
Kvi Y Mwf̄x cyj t̄bi Rb̄ c̄o_w̄K gj̄ab, evm̄v̄b | Lv̄` tewk j v̄M |

cPjZ cPjZ QMj cijb : Mög QMj tK gtv, evMtb, iv-vi ctk tetra ev tqto w tq cijb Kiv nq |
mvari YZ QMj tK ewo tK tKt bv evonZ Lv m ieivn Kiv nq bv | K.I.K el tKtj wevfbemtQi cizv tKtU
QMj tK tLZ t`q | ivZ QMj tK wbtRt i vKvi Ni ev Ab tKt bv Ntqi Avkq t`q |

ewYR'K Dfī'k' QMj cvj tbi Rb" eÁbwfEK cñZ Abmj Y Ki tZ nte| GtZ QMtj i evm"vb, Lv" |
-y" e"e"vcbvi I ci iZt`l qv nq| ^eÁwbK Dcrtq Aveñ | Aa@Aveñ cñZtZ QMj cvj b Kiv nq|
hv` i Pvi Y fñg ev evavi Rb" tKv tbv Rng tbB tmLtb Aveñ cñZtZ QMj cvj b Kiv nq|



চিত্র : ছাগলের ঘর

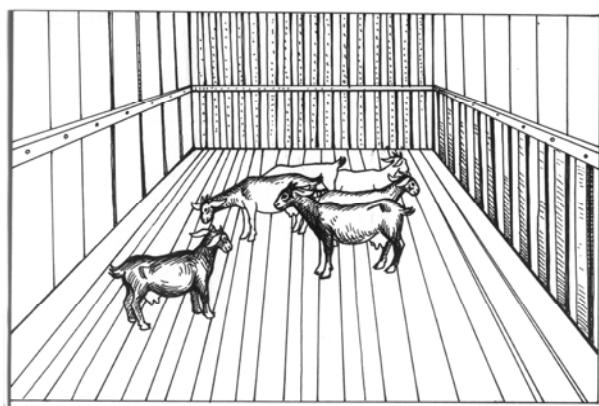
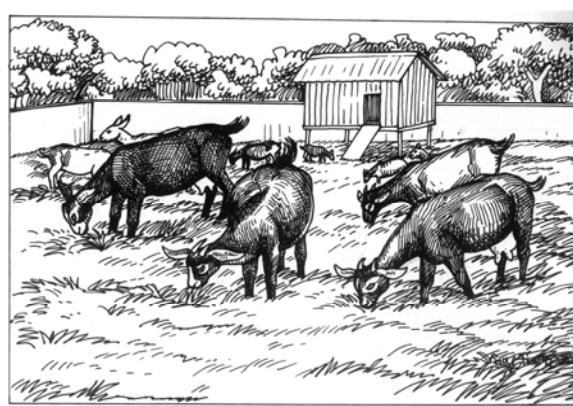


চিত্র : আবন্ধ পদ্ধতিতে ছাগলের একটি কক্ষ

Ae^{ন্ধ} c^{দ্ব}Z‡Z QMj cvj b : GLtb m^{স্থ}Y[ো]Ae^{ন্ধ} Ae⁻q QMj cvj b Kiv nq | QM‡j i N‡i i Rb[ো] DPz |
i Kb[ো] RvqMv ^{বে}Pb Ki‡Z nq | G c^{দ্ব}Z‡Z Ni ^Zwi Kivi Rb[ো] Kv, euk, ^বb, Qb, tMj cvZv e[ে]envi K‡i
Kg Li‡P Ni ^Zwi Kivi hvq | Ni ^Zwi Kivi mgq c^জZU eq⁻ < QM‡j i Rb[ো] 1 eM[ো]U (10 eM[ো]U) RvqMv
c^জqRb nte | tg‡S m[ু]Ztm‡Z ntj QM‡j i N‡i gvPv ^Zwi K‡i w‡Z nte | GLtb QMj tK m^{স্থ}Y[ো]Ae^{ন্ধ}
Ae⁻q c^জqRbxq meR Nv, `vbr`vi Lv[ো] | cw[ো] mieivn Kiv nq | Z‡e c^জZv b K‡qK N[ে]vi Rb[ো] N‡i i
evB‡i N‡i tq ^বb‡q G‡i G‡i ^v[ো] fvtjv _v‡K | bZb QMj w‡q Lvgi i[ি] Ki‡j c^জtgB m^{স্থ}Y[ো]Ae^{ন্ধ}
Ae⁻q ivLv h[ো]te bv | Av‡- Av‡- G‡i Pvi Y mgq K[ো]g‡q Avb‡Z nte | bZb cw[ো]te‡ki mv‡_ Af[ো]- ntj
Lv[ো] M[ো]Y Avi mgm[ো]v t[ো] Lv w‡te bv |

KvR : ^বk[ো]l[ো] v[ো]j MZfv‡e fM n‡q QMj cvj ‡bi ^বewfbec^জZi myear | Am[ে]ear Av‡j vPbv[ো] gva[ো]g w‡L
tk[ো]Y‡Z Dc[ো]vcb Ki‡e |

Aa[ো]Ae^{ন্ধ} c^{দ্ব}Z‡Z QMj cvj b : G c^{দ্ব}Z‡Z QMj cvj ‡bi mgq Ae^{ন্ধ} | Qov c^{দ্ব}Z Abnyi Y Kiv nq |
Lv‡ti Ae^{ন্ধ} Ae⁻q G‡i `vbr`vi Lv[ো] mieivn Kiv nq | gvtV Pvi ‡Yi gva[ো]g Giv meR Nv tL‡q _v‡K |
el[ো] mgq gvtV tbqv m[ো]e bv ntj meR Nv | Ae^{ন্ধ} Ae⁻q mieivn KitZ nte |

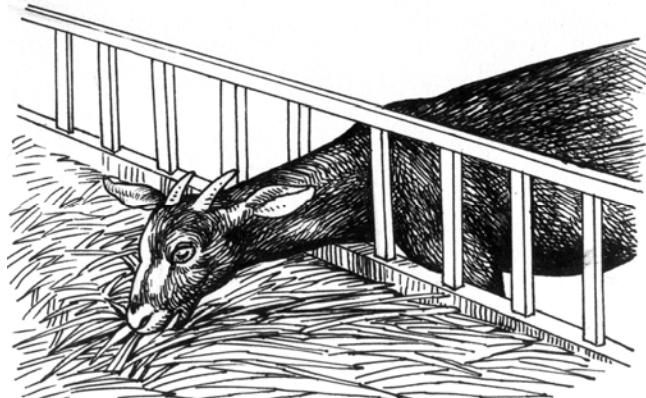
wP[ো] : Aa[ো]Ae^{ন্ধ} c^{দ্ব}Z‡Z gvtV Pvi Dci QM‡j i NiwP[ো] : Aa[ো]Ae^{ন্ধ} c^{দ্ব}Z‡Z QMj gvtV P‡i Lv[ো]

bZb k[ো] : Ae^{ন্ধ}, Aa[ো]Ae^{ন্ধ}, `vbr`vi Lv[ো] |

CW - 14 : QM̄tj i Lv̄" ēē'vcbv

QM̄tj i Lv̄" ēē'vcbvB n̄"Q Ab̄Zg c̄b̄b̄ wēq | QM̄j mēR N̄m I `vbr̄vi Lv̄" tL̄tq Rxeb aviY K̄ti | Zv̄Qov̄ w̄PKb ar̄bi Lo L̄p̄ tQv̄U K̄ti tK̄tU w̄PUv̄o w̄ḡk̄tq̄l QM̄j tK̄ L̄l q̄tqv̄ hv̄q | Lv̄" ēē'vcbvi c̄t̄gB QM̄j Qrbvi K̄v̄ f̄vetZ n̄te | QM̄j Qrbv̄ 2-3 ḡt̄mi ḡtā ḡt̄qi `ja Qr̄to | ev̄Pvi eqm̄ 1 ḡm̄ cvi n̄t̄j Db̄z ḡt̄bi K̄P mēR N̄m I `vbr̄vi Lv̄"i Af̄v̄m̄ K̄v̄t̄Z n̄te |

mēR N̄m : QM̄tj i Rb̄ B̄c̄j B̄c̄j , Kw̄v̄j cv̄Zv̄ , tL̄m̄wi , ḡm̄Kv̄jv̄B , `ēP̄ ev̄Km̄ BZ̄w̄ N̄m tek c̄j̄oKi | t̄w̄k N̄t̄mi c̄t̄c̄Zv̄ Kḡ n̄t̄j QM̄tj i Rb̄ Db̄z R̄t̄Zi tb̄ic̄qvi , cv̄v̄ , R̄ḡp̄ N̄m Pv̄l Kīv̄ hv̄q | Pv̄l Kīv̄ N̄m tK̄tU ev̄ Pv̄i t̄q̄ QM̄j tK̄ L̄l q̄tqv̄ hv̄q |



w̄P̄ : QM̄j tK̄tU t̄` I q̄v̄ mēR N̄m Lv̄"Q



w̄P̄ : QM̄tj i Rb̄ Zv̄ `vbr̄vi Lv̄" w̄ḡk̄Y

`vbr̄vi Lv̄" : QM̄tj i c̄j̄o P̄w̄n̄v̄ tḡŪtqv̄ Rb̄ mēR N̄t̄mi m̄t̄_ ^w̄bK P̄w̄n̄v̄ tḡZv̄ `vbr̄vi Lv̄" miēv̄n̄ Kīt̄Z n̄te | Mḡ , f̄j̄v̄ , M̄gi f̄ȳ , Pv̄j̄ i Kv̄v̄ , w̄f̄b̄ēw̄t̄j̄ i tL̄m̄v̄ , ^L̄j̄ , K̄w̄K ḡt̄Qi , v̄v̄ BZ̄w̄ `vbr̄vi Lv̄"i w̄ḡk̄Y w̄nt̄m̄te ēenvi Kīv̄ n̄q̄ | `vbr̄vi Lv̄"i m̄t̄_ Lv̄" j̄ēY I w̄f̄Ūw̄gb̄-L̄b̄R w̄ḡk̄Y th̄M Kīt̄Z n̄q̄ | eqm̄t̄f̄` QM̄j tK̄ ^w̄bK 1-2 w̄j Uv̄i w̄īv̄ c̄w̄b̄ miēv̄n̄ Kīt̄Z n̄q̄ |

Kv̄R : w̄k̄P̄v̄_Rv̄ `t̄j̄ f̄M n̄t̄q̄ th̄K̄t̄qv̄ GK̄U Kv̄R m̄x̄w̄` b̄ K̄ti t̄k̄t̄Z Dc̄`vcb Kīt̄e |

1 | tZv̄ḡt̄` i M̄ḡ QM̄j tm̄me mēR N̄m I j̄ Zv̄ cv̄Zv̄ Lv̄q Zv̄i GK̄U Zv̄j Kv̄ ^Zv̄i Kī |

2 | `vbr̄vi Lv̄" w̄nt̄m̄te QM̄j tK̄ th̄me Lv̄" miēv̄n̄ Kīv̄ n̄q̄ Zv̄i GK̄U Zv̄j Kv̄ ^Zv̄i Kī |

c̄w̄b̄ : ḡvb̄t̄l i ḡt̄Zv̄ m̄Kj c̄i c̄w̄L̄i c̄w̄b̄i c̄t̄q̄Rb̄ īt̄q̄t̄Q̄ eqm̄t̄f̄` QM̄j ^w̄bK 1-2 w̄j Uv̄i c̄w̄b̄ cv̄b̄ K̄ti | Zv̄B c̄w̄b̄ QM̄tj i b̄M̄tj i ḡtā īt̄L̄t̄Z n̄te |

QMtj i Rb `` `vbr` vi Lv` `` i GKU wkgY wbtP t` I qv n tj v-

Lv` `` Dcv` vb	kZKi v nvi (%)
Mg fv0v/fjEv fv0v	10
Mtgi fjm/Pvtj i Kpv	48
Wtji fjm	17
Mqweb ^Lj /mwi lvi ^Lj /Wtji ^Lj	20
i Wk gvtqi ,Dv	1.5
nvtqi ,Dv	2
Lv` `` j eY	1
wfUwgb-LwbR wkgY	0.5
tgiU	100



QMtj i I Rb Abjmti mieivni Rb`` meR Nvm I `` vbr` vi Lv` `` i cwgY wbtP t` I qv n tj v-

QMtj i I Rb (tKwR)	^wbtK meR Nvm (tKwR)	^wbtK `` vbr` vi Lv` `` wkgY (Mög)
4	0.4	100
6	0.6	150
8	0.8	200
10	1.5	250
12	2.0	300
14	2.5	350

bZb kā : wfUwgb-LwbR wkgY |

cW - 15 : QMtj i tivM ` gb

Qmj cwi®^vi cwi "Qbæcwí tefk _wKtZ c0` Ktj | Gt` i evm-`vbt Avtj v-evZvtmi e"e-`v KitZ nq| Qmj memgq i Ktbr I Dpt`vb Lj fvjtj vevtm| QMtj i htZ WEv bv jtM tmw` tK tLqyj ivLtz nte| Kvi Y WEvq Giv wbtgwbqymn Ab"vb" Rwtj tivM Avpvs-nq| ZvB ktZi mgq tgtsZ avtbi Lo A_ev bvov weQtq w`tZ nq| ktZi mgq Qmj tK WEv t`tK i Pvi Rb" Gt` i Ntii t`qvtj cQqRtP PtuI e-`v tUtb w`tZ nte| wbtP QMtj i tivMi Kvi Ymgm Dtz LKiv ntj v-

1| fviBivmRwbZ tivM : w.c.wc.Avi , wbtgwbqv BZ`w`

2| e`vKtUvi qvRwbZ tivM : Mj vdj v, Wwqvi qv BZ`w`

3| ciRxeRwbZ tivM : QMtj i t`tni wfZti I evBti `pi`tbi ciRxe t`Lv hq| t`tni evBti Pvgoi gta" Dkb, AvUwj I



WPT : w.c.wc.Avi tivM Avpvs-GKU Qmj

gvBU n‡q _‡K | † †ni wZ‡i tMj Kig, wZvKig | ciZvKig 0vi v QMj teik AwpvS-nq | Giv QMj KZK
Lvl qv cjoKi Lv‡ „ fM emvq | AtbK Kig QM‡j i kixi †‡K i³ P‡I tbq |

ZvQov QM‡j i c‡qB i³ Aigukq n‡Z † Lv hvq | G ti wMj tc‡U‡Rvqv 0vi v n‡q _‡K |
QMj gvi vZ‡K ti v‡M AwpvS-n‡j wbgv‡LZ mavi Y j ¶Ymgn † Lv hvq -

- 1| kix‡i i Zvcgv‡v e‡‡ c‡q |
- 2| Pvgoi tjvg Lvov † Lvq |
- 3| Lv „ M‡Y | Rvei KvUv eÜ n‡q hvq |
- 4| wSgvtZ _‡K | gwU‡Z i‡q c‡o |
- 5| †Pv‡Li c‡b | gj‡ w‡q jvjv wM‡ nq |



¶P† : GKvU Am‡' QMj

fvBim ti v‡M AwpvS-n‡j G‡ i gZi n‡Z c‡i |
fvBim ti v‡Mi AwpvS-c‡i i wPKrmv K‡i my‡j c‡l qv hvq bv | e‡K‡Uv qv 0vi v AwpvS-ti v‡MI QM‡j i gZi n‡q
_‡K | Z‡e G †¶‡† wPKrmv K‡i AtbK †¶‡† B m‡' K‡i †Zvj hvq | QM‡j i ti w c‡Z‡i v‡ai Rb" QMj
Lvgti wbgv‡LZ c‡¶cmgn AbmiY Ki‡Z n‡e -

- 1| QM‡j i Ni | Gi Pv‡c‡k c‡i "Qb‡i Lv |
- 2| QM‡j †K mgqg‡Zv wUKv † qv | K‡gbv‡K J‡a Lv q‡bv |
- 3| QM‡j †K ZvRv Lv „ tl‡Z † qv |
- 4| QM‡j †K my‡g Lv „ c‡b miei v Kiv |
- 5| QM‡j i N‡i i tg‡S i®< ivLvi e‡e" v Kiv |
- 6| QM‡j i we‡v Lvgti †‡K `‡i ms‡ ¶Y Kiv |



¶P† : GKvU m‡' QM‡j †K wUKv † I qv n‡"Q

QM‡j i Lvgti ti w † Lv w‡‡j ci wPKrm‡Ki my‡_ ci‡gk‡K‡i e‡e" v M‡Y Ki‡Z n‡e -

- 1| Am‡' QM‡j †K Avj v K‡i ch‡e ¶Y Kiv | wPKrmv † I qv |
- 2| c‡q‡R‡b QM‡j i gj g‡ ci‡¶v i e‡e" v Kiv |
- 3| gZ QM‡j †K gwU‡i w‡P Pv‡v † I qv |

KvR : w¶¶v‡v Pv‡i `‡j fM n‡q QM‡j i Kx Kx ti w nq tm m‡u‡K‡ij †L tk‡N‡Z Dc" vcb Ki‡e |

bZb k‡ : K‡gbv‡K, `K‡v‡

CW-16 : Kw mmve i PY cMZ (gj M cvj b)

cwi ewi Kfite gj M cvj b Ki t j wRt` i Lvvi Wg I gvtmi Pw v tgU Zvov AwZwi³ Wg evRti
ewi Kti KQz Avq Kivl mxe| wRtP 100W Wgcov gj M cvj tbi Avq-e q mmve Kivi GKU bgjv t` I qv
ntjv|

gj M cvj tbi e tqi LvZ 2W-

K | -'vqx LiP

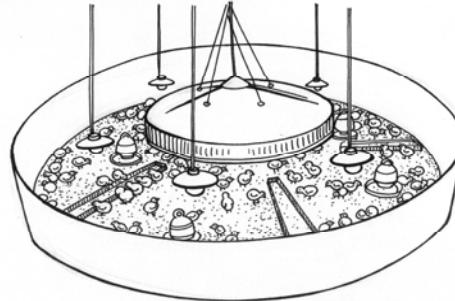
L | Pj gib LiP

-'vqx LiP : gj Mi Lvvi Avi Kivi AvM th mg - LiP nq ZtK -'vqx LiP etj | -'vqx LiPi gta Rng,
gj Mi Ni, eWi hši Lv i cvi I cwbci cvi, Wg I ejv Z, Wg covi ev BZw LvZmg Dtz hM |
wRtP 100W Wgcov gj M cvj tbi e q mmve Kivi GKU QK t` I qv ntjv|

Rng	gj Mi Ni ^Zwi	eWi hši	Lv i cwbci cvi	Wg I ejv Z	Wg covi ev	tgu -'vqx LiP
wR	15,000/-	2,000/-	2,000/-	1,000/-	2,000/-	22,000/-



Wt : GKPj v gj Mi Ni



Wt : eWi

Pj gib LiP : Lvgti evPv µq t K i "Kti ^b b th me LiP nq ZtK Pj gib LiP etj | evPv cvj bKtj
tKl chS-100W gta AvbgwBk 12W gZj nq| ZvB tKv i mgq 112W evPv µq Kitz nq| Pj gib
LiPi gta evPv `vg, Lv " µq, we`jr LiP, wKv I Jia, wj Uri (gj Mi weQb), kigK I cwi enb LiP
Dtz hM | Wgcov gj M tgu 18 gwm Lvgti _tK wRtP cwi ewi K Lvgti 100W Wgcov gj M cvj tbi
Pj gib LiP mmve Kivi GKU QK t` qv ntjv|

evPv `vg (cZw 40/-)	Lv " µq (cZw 50 tKwR, cZ tKwR 35/-)	we`jr LiP (gwmK 300/-)	wKv I Jia	wj Uri	kig K	cwi enb LiP	tgu Pj gib LiP
4,480/-	1,75,000/-	5,400/-	2,000/-	1,000/-	wR	1,000/-	1,88,88/-

tgu e q = (tgu -'vqx LiP + tgu Pj gib LiP) = 22,000/- + 1,88,880/- = 2,10,880/-

KvR : wkwv GKKfite 10W gj M cvj tbi Avq-e tqi mmve wj tL Rgy w te|

Avg : **Wgcvov gjM Mi Lvgti Wg**, eq- < gjM, wjUvi | Lv`-i e- -v weju Kti Avg Kiv hq | Wg cvov tkil cÖZU eq- < gjM evRgti weju Kiv hq | ZvQov wjUvi ^Re mvi wntmte RigtZ Ges gvtQi Lv`-i Zwi tZ cKti eenvi Kiv hq | wP cwi ewi K Lvgti 100Wgcvov gjM t_k Avg wnmve Kivi GKU QK t` I qv ntjv |

Wg weju (^WbK 80W, 52 mBvn, 8/- cÖZU)	gjM weju (cÖZU 200/-)	wjUvi weju	Lv`-i e- -v weju (e- -v 100W, cÖZU 10/-)	tgvU Avg
2,32,960/-	20,000/-	500/-	1000/-	2,54,460/-

$$tgvU jvf = (tgvU Avg - tgvU e^q) = 2,54,460.00 - 2,10,880.00 = 43,580/- \text{ UvKv}$$

Djg wZ wnmve Abjmti t` Lv hq"Q cÖg eQtiB ^vqx LiP ev` w tq tgvU 43,580/- UvKv jvf ntqto |

bZb kā : ^vqx LiP, Pj gvb LiP, wjUvi |

Abkxj bx

kb^-'vb ciY

1. eisjvt`tk PvI evotQ |
2. tcqvi v Gi GKU cÖb Drm |
3. i RbxMÜvi RigtZ memgq chB _vKv `i Kvi |
4. GKUztek ivLj dj teuk mgq mZR _vK |

wgj KiY :

evgcuk	Wbcuk
1. exR, mvi, KibvukK	tatci RvZ
2. kigK LiP, PvI i LiP	tcqvi v RvZ
3. KvAb bMi, ^ifcKwW	Ae^-' MZ DcKiY e^q
4. kvnx, i wP, cJv	e^-' MZ DcKiY ci` Lv`-

eünbepWb cikæ

1. fEvi D"p dj bkxj RvZ tKvbW
 K. gK`cjk L. tgvni
 M. cJv N. i wP

2. JIwa , Y-maúbaDWMC -

- i. tac | Mv
- ii. tac | tqiv
- iii. fAv | iRbxMÜv

mbPi tKvbWU mWV?

- | | |
|-----------|------------|
| K. i | L. ii |
| M. i ii | N. i iii |

mbPi Abf"Q` WU cfo 3 | 4 b^i cikie DÉi `vl :

Kgj `E 2.5 tn±i RigtZ ewi RftZi fAv Pvl Ktib | Zib tn±i cÖZ 172 tKIR n±i BDwi qv Ges cwi gZ gvñ vq Abvib` mvi GKfT Rwg ^Zvi i tkI chq cÖqM Ktib | mvi t_k mvi i `Zi 75 tmwg WVK Kti 25 tmwg `i Zj Zib exR ecb Ktib | KŠwZib Avkvbjc dj b tctZ e_ñb |

3. Kgj `‡Ei Rigi Rb" cÖqvRbxq BDwi qv m±i i cwi gvY KZ?

- | | |
|-------------|-------------|
| K. 344 tKIR | L. 430 tKIR |
| M. 312 tKIR | N. 860 tKIR |

4. Kgj `‡Ei fv‡j v dj b bv cvl qvi Kvi Y Kx?

- | | |
|-------------------------------|---------------------------|
| K. BDwi qv Kw-†‡Z cÖqM bv Kiv | L. ecb `i Zj mWV bv nI qv |
| M. mWV gvñ vq BDwi qv cÖqM | N. mWV RvZ wbeP‡b e_ñl qv |
| bv Kiv | |

mRbkij cikie

1. `wi `‡K.I.K cwi eti i tgtq Awé`v he cik¶Y tK `‡t_k cik¶Y mbtq gjM cij tbi mñší tbq | G j‡¶ tm 10W t_wk wgciov gjM wKtb Avftb Ges ewoi g³ cwi te‡k cij b i "Kti | wKQz w` tbi gta'B gjM, tjv wNg w‡Z i "Kti Ges Awé`vi cwi eti m"Oj Zv Avfm | Awé`vi cÖZtekx wKDwj | Zvi t`Lvt` wL gjM cij tb DØn ntq 20W dvDwg RftZi gjM µq Kti Ges Awé`vi g‡Zv Kti gjM cij b i "Kti | KŠwKQz b th‡ZB wKDwj i 3W gjM‡K gZ Ges tek K‡qKwU gjM‡K wSgtZ t`L hvq |

- K. tiM ej ‡Z Kx eS?
- L. gjM‡K wKv t` l qv nq tKb? e`vL`v Ki |
- M. gjM cij tb Awé`vi mdj Zvi Kvi Y e`vL`v Ki |
- N. wKDwj i e_ñvi Kvi Y we‡kHceR tZvgvi gZvgZ `vl |

2. ḡgb̄ w̄gq̄ Zvi ew̄oi `m̄lY c̄t̄ki D̄Pz I cēc̄t̄ki w̄Pz` B̄ w̄fb̄ēn̄k̄ō m̄ub̄eḡw̄l̄Z t̄t̄c P̄t̄l i
m̄s̄v̄š-tbb| G j̄t̄l̄` R̄ō ḡt̄mi ḡS̄ḡw̄S̄ mḡt̄q̄ R̄w̄ ^Zvi , m̄vi c̄q̄M̄, P̄v̄i v̄i c̄v̄Ymn̄ Ab̄v̄b̄
c̄w̄i Ph̄Ph̄h̄_vh̄_f̄v̄tē m̄ub̄ēK̄t̄b̄| K̄š̄w̄K̄Q̄b̄ cī w̄Z̄b̄ j̄l̄ K̄t̄b̄ th̄, `m̄l̄Y c̄t̄ki t̄t̄c M̄Q̄, t̄j̄vi
^ȳf̄w̄ēK̄ Aē`v̄_v̄K̄t̄j̄ I cēc̄t̄ki t̄l̄t̄Zī w̄K̄Q̄z̄K̄Q̄z̄P̄v̄i v̄X̄t̄j̄ c̄t̄t̄Q̄ I c̄v̄Z̄v̄ n̄j̄t̄` f̄v̄ē n̄t̄q̄t̄Q̄|

- K. ē` M̄Z Dc̄Ki Y ēq̄ ej̄t̄Z K̄x ēs̄?
- L. Āw̄Z ēw̄ō ī R̄b̄M̄Ǖv̄ P̄t̄l̄ S̄K̄ ēw̄ōq̄ t̄K̄b̄? ēv̄L̄v̄ Ki |
- M. ḡgb̄ w̄gq̄i ew̄oi `m̄l̄Y c̄t̄ki t̄t̄c M̄Q̄, t̄j̄v̄ ^ȳf̄w̄ēK̄ n̄l̄q̄i K̄v̄i Y ēv̄L̄v̄ Ki |
- N. ew̄oi cēc̄t̄ki M̄Q̄, t̄j̄vi D̄M̄Z̄ mḡm̄v̄ mḡv̄āt̄bi Dc̄v̄q̄ w̄et̄k̄H̄ Ki |

5 | ms̄l̄B̄ D̄Ēi c̄k̄ē

- K. Dc̄w̄i ēq̄ K̄x?
- L. f̄v̄i ēen̄vi D̄t̄j̄ L̄K̄i |
- M. f̄Ēv̄ d̄m̄t̄j̄ t̄īM̄ `ḡt̄bi R̄b̄ K̄x K̄x ē`v̄ w̄b̄t̄Z n̄t̄ē?
- N. ī R̄b̄M̄Ǖv̄ d̄j̄ K̄x f̄v̄tē ḡW̄ t̄_t̄K̄ ms̄M̄b̄ K̄t̄i ēv̄R̄t̄i c̄W̄t̄b̄v̄ n̄q̄?

6 | ī P̄b̄v̄ḡj̄ K̄ c̄k̄ē

- K. f̄Ēv̄i w̄ew̄f̄b̄t̄īM̄ I Gi ē`v̄cb̄v̄ ēȲb̄v̄ Ki |
- L. ^K̄ ḡv̄Q̄ P̄t̄l̄ ī t̄l̄t̄l̄ c̄K̄i c̄t̄` w̄Z̄, īv̄l̄t̄m̄ ḡv̄Q̄ Ac̄m̄v̄i Y, Pb̄ c̄q̄M̄ I m̄vi c̄q̄M̄ c̄r̄l̄Z̄
ēȲb̄v̄ Ki |
- M. ḡj̄Mi L̄ḡt̄i t̄īM̄c̄l̄t̄īa ē`v̄ M̄t̄ō t̄Z̄j̄vi R̄b̄ K̄x K̄x c̄`t̄l̄c̄ Ab̄j̄i Y K̄i v̄D̄P̄Z̄ |
- N. Q̄M̄t̄j̄ ī t̄īM̄i Ymḡn̄ D̄t̄j̄ L̄K̄i Ges̄ t̄īM̄p̄v̄š-Q̄M̄t̄j̄ ī j̄l̄Ymḡn̄ ēȲb̄v̄ Ki |
- O. 100w̄ w̄ḡc̄v̄ōv̄ ḡj̄M̄ c̄v̄t̄bi Āv̄q̄-ēq̄ w̄m̄v̄ē K̄i v̄i ms̄l̄B̄ b̄ḡj̄v̄ ēȲb̄v̄ Ki |

Iô Aa'vq ebvqb

ebvqb ntj v ebfligZ ^eÁwbK Dcvq Mw j Mvtbv, cwi PhP I msi ¶Y Ki v| mñKfite ebvqb Kiv m¤e ntj , meñak ebR `ë` Drcw Z nq| Gme ebR `ë` ntj v Ki w, Rj w, eñbšl wa, dj , gay tgvg cfwZ | ebvqtbi Rb` Avgit` i newfbœcKvi ebR e¶, dj R e¶, wbgY mgmÖ | JI wa Dwmc m¤útk°futj vftte Rvbv ` i Kvi | G Aa'vtq Avgiv Gme Dwmc` i cwi PwZ, Pw cñwZ | , iZj m¤útk°Áwb, `¶Zv | `wófñ ARD Kie | Kwl R wbgY mgmÖ Ki w | eñki , iZj ejtZ cvie| KvÈ t_‡K bZb Pviv ^Zwi Ki‡Z cvie| cñZñK Rxetb JI wa Dwmc` i eñenvi ejtZ cvie| G m¤útk°mgwRK m‡PZbZv m¤ó‡Z AskMñY Ki‡Z cvie|



IP† : mgwRK eb

G Aa'vq cW tk‡l Avgiv -

- newfbœcKvi eñ¶i ^eñkó eñLv Ki‡Z cvie|
- newfbœcKvi eñ¶i A_‰ñZK , iZj eñLv Ki‡Z cvie|
- dj R, ebR, wbgY mgmÖ | JI wa eñ¶i Pw cñwZ eYv Ki‡Z cvie|
- KvÈ t_‡K bZb Pviv ^Zwi cñwZ eYv Ki‡Z cvie|
- wbgY mgmÖ intmte ebR `te` i eñenvi eYv Ki‡Z cvie|

CW-1 : ebR e_nP tgnM_b Ges dj R e_nP Kw_{vj} cwi wPwZ

ebR e_nP : tgnM_b

tgnM_bbi Aw` wbevm RvgvBKv I ga'' Avtgvi Kv| tgnM_b M_fQ_i cRwZ wntmte 2wU bvg cvl qv hvq| Gi gta'' eisj v_f tk Swetenia macrophylla cRwZ c_ab| h_fkvi, Lj bv, PÆM_g I cveZ'' PÆM_g tRj vmgfn tgnM_b M_fQ temk cvl qv hvq| eZ_frb mi Kwi I temi Kwi Df` v_fM ebvqb m_fo_fZ c_aq mviv t_ftk e_fck n_fti G M_fQ j wM_fbv n_fQ| moK, eu, emZewo, c_aZ_fmbK c_aY, mgwRK eb I e_w³MZ eb emM_fb G M_fQ_i Pviver` evotQ|

Gw GwU wexRc_fx Kv_{vj} Dw^mc | G Dw^mc i Kv_{vj} j_aY, k³ | er` wq i_f0i | cvZv th_fMK | dj meRvf-mr`v| dj er` wq i_f0i, w_w^aKwZ Ges AvKv_{vj} tek eo| kvZKv_{vj} G et_fP_i me cvZv S_fi hvq| G Rb'' G_fK c_aS_i Dw^mc et_fj | tgnM_b M_fQ_i Rb'' c_abZ exR t_fK Drcw` Z Pviv tivcY Ki_fZ nq| gwP^oGw_f gvtm exR msM_b K_fi bwm_fi exRZj_fq eb_fZ nq| Rb t_fK i i''K_fi Aw_f-gym ch_f-tgnM_b Pviv tivcY Kv_{vj} nq| DPz I gwSwi DPz RwgZ tgnM_b M_fQ fvtjv R_fb_f tgnM_b Dbo_fgvtbi KW Drcv` bKvix Dw^mc wntmte cwi wPZ| evmM_fni i Rv Rvbjv, Awmevec_f ^Z_fi_fZ tgnM_b Kv_{vj} L_fe K_fi i_fqtQ| tgnM_b Kv_{vj} Aw_f L_fe wqin Ges Kv_{vj} tP L_fqwi i_f0i | G Kv_{vj} L_fe fvtjv c_wj k tbq|



wP_f : tgnM_b M_fQ

KvR-1 : tgnM_b Pviv, cvZvn w_{vj}, dj I exR ch_fe_fY Ki | `j MZ Av_fj wPv_f gva_fg w_fPi QKwU c_fY Ki
Ges tk_fY_fZ Dc_fvc_f Ki |

ch _f e _f Y _f w _{vj}	tgnM _b M _f Q _i ^ek _f
1. w _{vj} ai _f bi Dw ^m c	
2. Kv _{vj}	
3. exR	
4. dj	
5. tKv _{vj} tKv _{vj} Pv _f nq	
6. tKgb gwU _f Z Pv _f nq	
7. c _a b c _a b , i Z _f	

dj R e_nP : Kv_{vj}

Kv_{vj} Avgv_f i RvZ_fq dj | Gw L_feB my_fY_f i_fo_fKi dj | Ab'' me dt_fj i tP_fq Kv_{vj} AvKv_{vj} eo|

Artocarpus heterophyllus Kv_{vj} M_fQ_i ^eAw_fbK bvg

KuWij GKUJ w̄-exRc̄t x, Kvōj I w̄Pinwir ēl| KuWij M̄tQj
 D'PZv 21 w̄gUvi ch̄S-nq| Kw k̄3 I nj t̄ īt̄oi nq| exR mv̄ v
 I dj meR īt̄oi nq| cvZv mij, w̄w̄yKuZ Ges meR| exR
 t̄t̄K Pviv Drct̄ b Kt̄i ev Kj g c̄w̄Zt̄Z Pviv Kt̄i t̄ivcY Kv
 nt̄q _t̄K| k̄eY-fv̄^gum KuWt̄j i Pviv t̄ivct̄Yi Dch̄B mgq|
 eisj t̄t̄ki me t̄Rj t̄ZB KuWt̄j i Pvil nq| M̄Rxcj, Ur̄vBj I
 gqgbw̄mstni fvl qj Gj vKvq KuWt̄j i evM̄b Kv nq| w̄mt̄j U,
 PÆM̄g I iscj Gj vKvq KuWij Pvil Kv nq| KuWij jyj gw̄Ui DPz
 Rngt̄Z fv̄t̄j v R̄t̄b| G Dw̄M̄t̄ i Kw I dt̄j i c̄Pi A_‰w̄ZK ,iZi
 īt̄q̄t̄Q|

RvZ

- 1| eisj t̄t̄k KuWt̄j i Abt̄gw̄ Z RvZ Kg| t̄Kej ewi D™weZ Kt̄qKU RvZ I jvBb īt̄q̄t̄Q| KuWij mvavi YZ
 eQ̄t̄i GKevi dj t̄q| t̄Kvqvi ,t̄Yi w̄f̄t̄Z KuWij t̄K w̄Zb fv̄t̄M f̄M Kv nq| h_v-
 1| LvRv KuWij - Gme KuWt̄j i t̄Kvqvi k̄3 |
 2| Avaimv KuWij - G me KuWt̄j i t̄Kvqvi ḡt̄Li w̄t̄K k̄3 w̄KŠw̄Q̄t̄bi w̄t̄K big|
 3| Mj v KuWij - G me KuWt̄j i t̄Kvqvi big| ḡt̄L w̄t̄j B M̄t̄j hvq|

KvR : KuWij M̄Q ch̄fēlY (^j MZ KvR)

KuWij Pviv, cvZmn bgjv̄ Wj, dj, dj I exR ch̄fēlY Ki | ^j xq Avt̄j vPvvi gvāt̄g ^ew̄kō̄ t̄cv̄v̄i
 KvM̄t̄R w̄j L| Gevi ^j MZ Dc^-vcb Ki |

w̄P̄t̄ : KuWij M̄Q

bZb kā : tgnM̄b I KuWij M̄t̄Qj ^eÁw̄bK bvg, c̄t̄Siv Dw̄M̄c, w̄Pinwir ēl, mij cvZv, th̄w̄MK cvZv|

cvW-2 : w̄bgP̄Y mv̄gM̄o | JI wa et̄Pi ci w̄PwZ

w̄bgP̄Y mv̄gM̄o : et̄ki ci w̄PwZ

M̄p w̄bgP̄Y mv̄gM̄o w̄nt̄te et̄k ci w̄PZ| M̄wi tei Kv̄xi nt̄Z eo eo
 AÆwj Kv ^Zwi t̄ZI et̄ki ēenvi Acw̄nvh̄ Avgt̄ i t̄t̄ki meP̄B
 et̄k Pvil nq| et̄k mvavi YZ tgv̄ v ev i vBt̄Rvg nt̄Z Pvil Kv nq| exR
 nt̄ZI et̄ki Pvil nt̄q _t̄K| et̄k mvavi YZ 5 t̄t̄K 7 w̄gUvi j x̄ nq|
 et̄k Lp̄B k̄3 | Kv̄Pv et̄k meR nq| ciw̄cKj et̄k nvj Kv nt̄q īt̄oi nq|
 et̄ki w̄PKb w̄PKb Wj t̄K Kv̄A ej v nq| et̄ki cvZv w̄PKb I j x̄t̄U
 AvKuZi | et̄k M̄t̄Q GKKZ eQ̄t̄i GKevi dj I exR nq|
 c̄KuZKf̄t̄el et̄k evM̄b ^Zwi nq| et̄k Svo ms̄t̄Yi Rb̄ et̄k
 evM̄t̄b Mi", QM̄j ev Ab̄ t̄Kt̄bv ci Pi t̄Z t̄l qv nq bv| et̄k ciw̄cKj
 nt̄j hZomnKt̄i t̄Kt̄U mi t̄Z nq| w̄Zb eQi ci ci et̄k Svo ciw̄cKj et̄k Kv̄v th̄t̄Z cv̄t̄i |



w̄P̄t̄ : et̄k Svo

tköYtZ cöökZ euk Sītoi wP̄ chfePY Ki | wKvK KZK cöökZ euk Sītoi wfWI ev mieivnKZ bgpv
euk chfePY Ki | Gevi tZgiv teÄwfEK `tj wef³ n̄q wbtPi ck̄etjvi D̄i ^Zvi Ki |

KvR : eukki cwi wPwZ

1. tZgiv KLbl euk t` tLQ ? euk Kx ?
2. euktK wbgM ejv nq tKb ?
3. euktKi ^ewkó Kx Kx ?

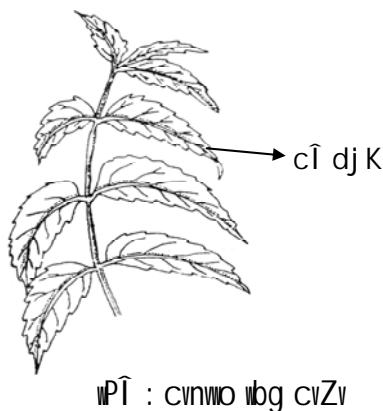
ersj vt` tk c̄lq 23 i Ktgi euk t` Lv hq | Gj wKwfEK euk c̄abZ `B c̄kvi |

1. eb R½tj i euk : thgb- gj, wgwZ½v, Wj yI bwj Zj, teZqv gwKjv, Gme euktKi t` qvj cvZjv |

2. M̄grY euk : thgb- Div, eivK eoq, givj Gme euktKi t` qvj c̄j |

Jl̄wa Dw^{MC} : wbg M̄tQi cwi wPwZ

gvbj tiM wbiqtqi Rb AtbK mgq Dw^{MC} i Dci wbtP Kti | Gme Dw^{MC} tK Kx ejv nq ? tZgvi tPbv
KtqKwJ Jl̄wa Dw^{MC} i bvg ej | ARB, nwzKx, Avgj Kx, c̄fwZ Jl̄wa etPli bgpv ev wP̄ chfePY Ki |
Gevi Zj mx, _vbKub, evmK, M̄v c̄fwZ Jl̄wa j Zv, tji bgtv ev PwtUP wP̄ ev wfWI wP̄ chfePY Ki |
tZgvt` i emotZ evne` vj tq Gme Jl̄wa eP̄ | j Zv, j v i tqtQ wKbv tm m̄utK^C tj Avj vc Ki |



wP̄ : cvnwmo wbg cvZv

ersj vt` tk ciq me AAtjB wbg M̄Q t` Lv hq | wbtgi KgctP 2w c̄wZ itqto | G, tji ntjv Melia azedarach (tNvov wbg) Ges Azadirachta indica. wbg gwSwi t_ tK eo AwKvii i c̄Siv eP̄ | ciq 20 wglvi chS̄i j x̄i nq | tdeqwi -gwp^Cgvtm bZb cvZv MRvq | c̄t thSMK, 9-15w c̄t djK _vK | c̄t djK, tji j x̄tU, wZhR I ekKwZi nq | c̄t dj tKi wKbviv LuRKvUv | dj mv v m̄wÜh^B | dj wvKwZi | dj cvKtj c̄t nj t` nq |

eskue-̄vi : exR 0iv eskue-̄vi Kiv nq | gj I Kv̄Ei Kwusqj grātgI eskue-̄vi Kiv hq |

exR msM̄ni mgq : Rb-RjvB gvtm exR msM̄o Kiv nq |

KvR : wbtgi Pvi v, cvZmn Wj , dj I exR chfeTY Ki (^ jMZ KvR)

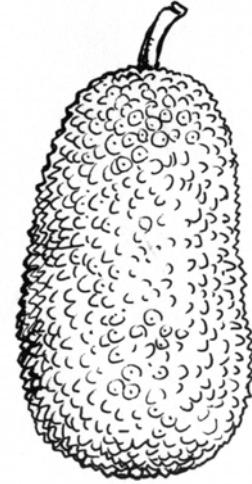
μιγκ bs	ch ^θ e ^t ʃi ^d Yi ^w elq	^e ^ŋ kó ^o
1	KvÉ	
2	cíZv	
3	dj	
4	dj	
5	KW	

bZb kā : AdmJ, c̄djK, wZhR | ekPKwZ, wbgM‡Qi ^eÁwBk bvg |

cW-3 : dj R, ebR, **wg**PY mgMÖ I JIwa eTPi , iZj

dj R e„¶ : K„Wtj vi „ i „ Zj

Kwjj GKjj eūmea eēenvi DcjhMx Dw™ | cKv KvWtj i imy tKvq LyB
ngwó | KKv I wfUngtbi Afve tgUtz cvKv KvWtj i Ryo tgj v fvi | Kip
Kwjj Ges KvWj exR meR wntmte eēenvi nq | Kwjj Kw LjB Dbz
gtbi | Gi is Mvp njy | G Kw LjB tUKmB Ges fvtj v cij k tbq |
eukMtni Rbvyj v I `iRv ^Zwitz G Kw eēeuZ nq | Ntii me iKg
Aimvect ^Zwitz KvWj Kw eēenvi Kiv hq| A_‰wZK w K w tq KvWj
Kw Ges cjoí Rb" Gi dj LjB ,iZcY® KvWj cvZv `jhMKyj xb mgfq
Mi "QMtj i Lv`" wntmte eēenvi nq |



WPI : KuVij

ebR e„¶ : tgnMmbi „iZi

tḡnM̄b KW L̄eB k̄³ | t̄UKmB| G K̄tVi i s j̄j t̄P L̄tq̄i | Z̄te M̄Q teik
c̄wi cK̄i nt̄j , K̄tVi i s ĀtbK mgq M̄o K̄j t̄P i t̄oi t̄`L̄q| G K̄tVi Ālk
L̄eB w̄ḡn| G KW L̄e my` i c̄w̄j k tbq| ēvM̄t̄ni me iKg Āmevec̄
^Z̄wi t̄Z G K̄tVi ēuj ēenvi i t̄q̄t̄Q| Z̄Qrov N̄ti i `iRv, R̄bujvi t̄dḡ
^Z̄wi t̄ZI tḡnM̄b KW D̄Eg| tḡnM̄b KW i t̄q n̄ti K iK̄gi t̄m̄šLb w̄k̄i
mḡM̄i ^Z̄wi nq|



WPT : tgnMwbj cvZv, dj |
dj

KvR : KvWj Kw I tgnMib Kw chfe¶Y Ki | G‡` i ^ewkó" I , iZijwjL|

ch ^g e ^Y ‡Yi weI q KwVj Kw/tgnMib Kw	^e ^W kó" I , iZi
1 KwVi is	
2 KwVi aib	
3 KwVi e ^W U	
4 KwVi e ^W envi	

wbgY mvgM : eukki , iZi

euk^tK M^wi tei Kw ejv nq | M^gxY A^WuZ‡Z euk weiu f^ggKv
 i^WL | M^w wbgY t^tK i^W"K^ti M^gxY Rxetbi c^WZ^WK e^Wenvh^c
 c^W mKj t^t†^t eukki e^Wenvi i^Wq‡Q | euk M^gxY KuUi w^tri i
 c^Wub KuPugj | euk w^tq S^to, K^tv, S^tu, g^tv^t c^WZ ^Z^t
 nq | L^tj cvicuti eukki m^tKv e^Wenvi Kv nq | eukki euk
 M^ggi w^tki -w^tK^tkv^t i ev^th^tš^t Kv DcKiY thgb j^t½j,
 tRvqyj, A^tPov | tK^tv^t ^Z^t‡Z eukki e^Wenvi nq | km" I
 D^tm^t msi^t‡Y eukki teov t^tl^tq nq | KwMR I t^tqb ^Z^t i
 KuPugj w^tntmte w^tki Kv Lubvq euk e^We^tZ nq |

wP^t : euk eukJlwa e^t : wbg Gi , iZi

wbg M^tQi e^Wenvi A^tbKf^te n^tq _v^tK | Z^te Gi Jlwa, Y g^tb^tl i h^t_ó DcKvi K^ti _v^tK | wbgcvZv^t
 w^th^tR k^tm^ti KxUbvKK w^tntmte f^tv^tj KvR K^ti | Pg^tti^tM wbg cvZv^t im l w^tgi ^Z^t e^Wenvi DcKvi nq |
 wbg cvZv^t im Kv^ti Dc^te Kg^tq | w^tgi i^tKv cvZv Kv^ttoi | P^tv^tj i tcvKv g^tb e^Wenvi nq | w^tgi W^tj
 f^tv^t `v^tZi g^tRb w^tntmte e^Wenvi nq | w^tgi ^L^tj Rxe^tVp^tKK w^tntmte e^Wenvi n^tq _v^tK | wbg M^tQi Q^tj
 ev^tZRj, `v^t, w^tLvDR, GK^tRgv, `v^tZ i³ l c^tR cov, cvqwiqv, R^tUm t^tW w^tngtq e^We^tZ nq | Q^tj i im
 `v^tZi g^to k³ K^ti | wbg W^tj w^tq w^tqwgZ `v^tZ g^tRv f^tv^t |

KwR 2 : euk I wbg Gi , iZi [j xq KwR]

eukki , iZi	wbg Gi , iZi
1	1
2	2
3	3
4	4

bZb kā : cvZv^t w^th^tR, Rxe^tVp^tKK |

cW-4 : dj R eΠ I ebR etΠi PvI cΠZ

dj R eΠ : Kvwj MfQi PvI cΠZ

Rig vbePb I Rig ^Zwi

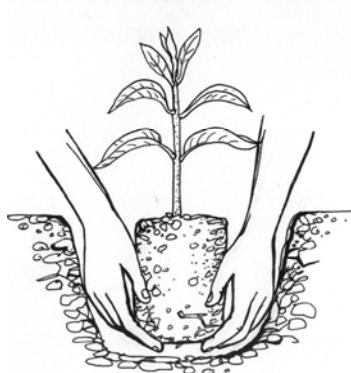
ebiq³ me ai tbi gntZ Kmjt i PvI nq| Zte oij -t`vAk er Aí j y gntJi DpRgtZ Kmjt i PvI Lp fntj v nq| Kmjt i Rig KtqKeri j wj I gB w tq fntj v nq| Pvi v tivctYi GKgvm AvtM 10 mgUvi `#i `#i (1x1x1) Nb mgUvi AvKtqi MZ^oZwi KitZ nte| MZ^oZwi i mgq Dctii I wbtPi gwU Avj v v Ltz nte| 15 w b MZ^o MfZ^o gwU tivt` i KitZ nte| MfZ^o Dctii i gwUi mft_ mvi mgwktq MZ^ofivU KitZ nte| cti wbtPi gwU MfZ^o'vcb KitZ nte| mfti i cwi grY nte - cPv tMvei 20 tKwR, ntoi ,pv 400 Mg A_ev wGmwc 150 Mg, QvB 2 tKwR A_ev Ggwc 150 Mg|

Pvi v tivcY I tivcY ci eZx^ocwi Ph^o

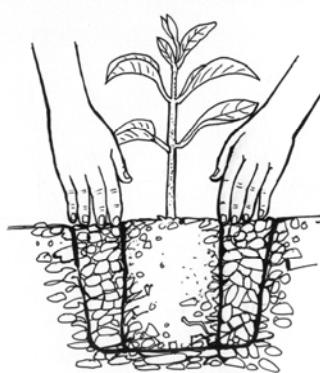
exR t_tK Pvi v Drct`b Kti ev Kjg cΠZtZ Pvi v Kti tivcY Kiv nq| Pvi v tivctYi Rb` kley-fv`^a gvm Dch^o mgq| Pvi v tivctYi ci tMovi gwU wKQv DpR Kti w`tZ nq| Lvi tgsmtg cōqRtb cwb tmP w`tZ nte| gvtS gvtS tMovi gwU Lptq Avj Mv Kti w`tZ nte|

mvi cōqM

Kvwj MfQ cōZ eQi mvi cōqM KitZ nte| 2-5 eQi eqfmi MfQ tMvei mvi 30 tKwR, BDw qv 200 Mg, wGmwc 150 Mg Ges Ggwc 100 Mg cōqM KitZ nte| dj eZx MfQ cPv tMvei 50 tKwR, BDw qv 800 Mg, wGmwc 500 Mg Ges Ggwc 800 Mg nfti cōqM KitZ nte|



■P̄ : Pvi v emtbo nft'Q



■P̄ : Pvi v Pvi ctk gwU tPtc t` I qv nft'Q

dj msMō

dj aivi wZb gvtmi gta'' Kvwj cō nq| wZ ev j x^y j wV w tq tUvKv w tq kā i tb h w tevsv h w Kvwj cō nftQ, Zte mft_ mft_ tcfo tdj tZ nte|

KvR-1 : `j xqfite KvWj PvI cRwZ Dc-'vcb Ki | mgq : 10 wgiU

ebR ePi : tgnMbi PvI cRwZ

cRwZ wbePb :

Swietenia microphylla bigK cRwZ Avgit` i t`tki Rb" fvtjv| KvY Avgit` i Avenvl qv I cwi tek G
MQ RbWbvi DcthMx|

exR msMö I tivcY

tgnMbi MfQi Rb" cÖvbZ exR t_#K Drcw` Z Pviv tivcY Kv nq| Zte ÷vúl tivcY Kv hq| tdeqwi
t_#K Gicj gyM chSí exR msMö Kti bwm@i exRzjv ev cwi eüM eb‡Z nq| `B fM t`vAuk gwU I
GKfM ^Re mvi wgiKZ gwU w`‡q cwi eüM exR ecb Ki‡Z nte| cÖZ cwi eüM `ju exR ecb Ki‡Z nq|
te‡Wi mvi‡Z 8-10 tmig `‡i `‡i exR ecb Ki‡Z nq| gwUi 3-4 tmig Mfxi exR XwK‡q w`‡Z nq| exR
GKUz KvZ Kti jwM‡Z nte thb exRi cvL Dcti i w`‡K _v‡K| exR ectbi ci nvj Kv tmP w`‡Z nte| tQwU
Ae^-vq Pviv `cy tivt` i mgq Qvqy XvKbv w`‡Z nte| GB Pviv kly-fv`^grM ev ctii eQi tivcY Kv nq|
exRi A14tiv` Mtg 20-30 w`b jv‡M| Pviv tivcY `‡Z 9-10 wgiUv n‡j fvtjv nq|

gwU ^Zwi

tgnMbi Rj veZv mn" KitZ cti bv| DPz I gySwi DPz Rwg‡Z tgnMbi MQ fvtjv R‡b| t`vAuk I cwi -
^vAuk gwU tgnMbi MfQi Rb" DÉg| Pviv tivc‡Yi cte@bePZ RvqMv AveRvgj^| mgvb Kti w‡Z nte|
Pvivi AvKvi Abjvnti M‡ZP ^N°, cÖ' I Mfxi Zv 60-80 tmig nI qv `i Kv| MZ^Kivi ci M‡ZP gwU‡Z mvi
wgk‡Z nte| mvi wgk‡bvi gwU I MZ^15 w`b tivt` i Kv‡Z nte| gwU cbiq K‡q Si S‡i Kti Pviv tivcY
KitZ nte| me DwM‡` i Pviv tivcY cRwZ GKB i Kg|

mvi cÖqM I Abv` cwi PhP:

gwU ^Zwi i mgq mvi cÖq‡Mi wbgvejx :gwU ^Zwi i mgq ^Re mvi 10-15 tKvR, QvB 1-2 tKvR, BDw qv
200-300 Mäg, wGmwc 100-500 Mäg I Ggwc 50-100 Mäg w`‡Z nq| Livi mgq cwi tmP w`‡Z nte|
cwb w`‡K‡bi e^e^-v KitZ nte| wbgvejx AvMvQv cwi^v Kv‡Z nte| Pviv Ae^-vq gj MfQi cwkRi
Acvvi Y KitZ nte| Pviv LjU I teov w`‡Z nte| tm‡Pi ci MfQi tMvovq gyjwPs ev Rveov w`‡Z nte| MQ
eo nI qvi ci Wj QvJvB Kti KvW‡gv ^Zwi KitZ nte|

KvR : tgnMbi PvI (^j xq KvR)

1| tgnMbi Pviv tivc‡Yi Rb" e^eüZ wewfbacKvi m‡i i bgjv ch‡ePjY Kti kbv³ Ki |

2| gwU ^Zwi I Pviv tivc‡Yi Dc‡q Dc-'vcb Ki |

cW-5 : ወጪም መግዢል | ገዢ እተዋለ | በዚህ ሰነድ

wbgY mvgMö : eu&ki PvI c&Z

euk Avgt` i t`ki AñZ cñq Rbxq mbgPY migMñ| eisj v` t`ki meP B
euk ki Pvl nq| euk 3ñU Dcñq Pvl Kiv nq| h_v-tgv_v | Admñ
cññZ, cñKKñA Kjg cññZ, MñU Kjg cññZ |

1. tgv_v ev AdtmU c~~Z~~ZtZ ewk PvI

euk Pv‡l i Rb" 1-3 eQi eqmx tgv_v ev Ad‡mU msMö Ki‡Z nq| eu‡ki
tMovi w‡K 3-4 wMUmñ gwmJi wbtPi tgv_v‡K Ad‡mU ejj |
Ad‡mtUi Rb" wbePZ euk Aek" B mtZR ntZ nte| ^P† gwm Ad‡mU
msMöni Dchjß mgq| elP'i i "nI qvi ce‡chSí msMpxZ Ad‡mU A" "vqx
bwmñi‡Z ewj i te‡W j wM‡bv Avek" K| 15-25 w‡bi gta" Awakusk
Ad‡mU t‡K bZb cvZv I Kyo MRvq| G Ad‡mU Avl vp gvtm wZbfwM
gwmJi GKfM tMvei w‡q ^Zwi M‡Zç wM‡Z nq |



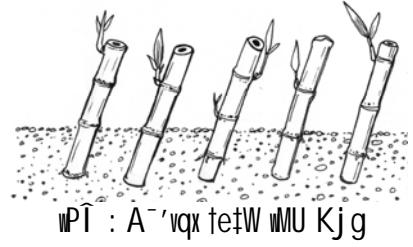
2. cök gj KÅ Kj g c~~g~~ Z

^ekvL-^R'ô gv̄m eukki AtbK Kv̄Ai t̄Mv̄q c̄Kv̄ZKfv̄teB v̄kko
MRv̄q| G aībi v̄kko I tḡv̄_vmn Kv̄Āt̄K c̄Kgj Kv̄A ēt̄j| Kv̄A
Kj g msM̄ni GK eQi Av̄M 1-3 eQi eq̄< eukki tḡv̄_v t̄f̄t̄0 w̄ t̄Z
nq̄| ^ekvL-^R'ô gv̄m G aībi euk t̄_t̄K Kv̄Z w̄ t̄q m̄eav̄t̄b
v̄kko I tḡv̄_vmn Kv̄A Kj g t̄Kt̄U v̄b̄t̄Z n̄te| msM̄pxZ Kj g ew̄j
w̄ t̄q c̄' Z A-^v̄qx tēt̄W 7-10 tm̄ig Mfx̄ti Kv̄P v̄kko I tḡv̄_vmn
m̄x̄uYp̄t̄c ew̄j i ḡta`` ` v̄et̄q j v̄M̄t̄Z n̄te| v̄b̄q̄gZ hZ̄mb̄t̄j GK ḡm
ct̄i m̄t̄ZR Pv̄iv ^Zwi n̄te| cw̄j ēt̄M 2:1 Abgv̄t̄Z gw̄U I t̄Mvei
ngk̄Y Pv̄iv, t̄jv̄ t̄v̄cY Kīt̄Z n̄te| Gfv̄te GK eQi iv̄Lvi ci Kv̄A
Kj g gv̄V j v̄M̄t̄Z n̄te|



3. M J K j g c Z

eu¹ki Ku²t³K UK⁴t⁵iV UK⁶t⁷iV K⁸t⁹i Priv ^Zwi i c¹⁰ZtK MU Kjg
c¹¹Z e¹²j | 1-3 e¹³Q¹⁴i mej euk wbe¹⁵Pb Kit¹⁶Z nte| m¹⁷ KjUv
euk¹⁸tK 1, 2, 3 MU j¹⁹ L²⁰E f²¹M Kit²²Z nte| ^P²³ - ^ekvL gvtm
wef²⁴ L²⁵E, t²⁶j v mv²⁷t_ mv²⁸t_ A²⁹^vqx te³⁰tW j³¹Mt³²Z nte| eu³³ki UK³⁴t³⁵iV
M³⁶tUi Kno m³⁷ZR | A³⁸tZ Av³⁹tQ wKbv Zv j⁴⁰P⁴¹ ivL⁴²tZ nte| Av⁴³tP-
k⁴⁴Y gvtm i w⁴⁵tK Awakusk MU Kj tg w⁴⁶Ko MR⁴⁷te| el⁴⁸P⁴⁹tkl nl qv
Dw⁵⁰tq wbtq gvtV j⁵¹Mt⁵²Z nte|



euk ci Ph[®]

teuk tiv` ntj euk cwb tmP w[~]tz nte| tgv vi tMovi gwU Ktq Avj Mw KitZ nte| AmQv cwi[®]<vi KitZ nte| ti Mwus[®] Mw tgv vnn Ztj cwoq tdj tz nte|

euk msMö

wZb eQi ci wbi` S c[®]ZtZ euk KwutZ nq|

KvR : wZbwU `tj wef³ nq tgv v c[®]Z, c[®]Kgj K[®]A Kj g c[®]Z | MU Kj g c[®]ZtZ euk PvI wb[®]q Avj vPbv Ki | Zv tk[®]tZ Dc[®]vcb Ki | (mgq 15 wgbU)

Jlwa e[®] : wbg PvI c[®]Z

tZvgut` i Kvi Kvi ewotZ wbg MwQ AvtQ ? c[®]ZtKi ewotZ wbg MwQ j wMtbv DwPZ tKb ? Avi Kx Kx Jlwa Dw[®]c ewo ev we` yj tq PvI Kiv hq ? weifb[®]ei Kg Jlwa Dw[®]c PvI Avgut` i hZeb nI qv c[®]qRb tKb ? bgjbv/Pv[®]Uwf[®]WI wP[®] t[®]L weifb[®]eJlwa Dw[®]c kbr³ Ki |

R[®]-Rj wB gwm wbg exR msMöni Dchj³ mgq| exR msMöni GK mBv[®]ni gta[®]B cij e[®]M Pviv Drcv` b KitZ nq| Drcw[®]Z Pviv GK eQi ci j wM[®]tZ nq| tg-R[®] gvtm wbg Pviv tivcY KitZ nq|

KvR : wbg Pviv tivcY Kiv [`j xq KvR]

DcKiY : Ue, wbgPviv, gwU, cPv tMvei mvi | cwb|

Kih[®]c[®]Z :

1. c[®]qRbxq t` wAuk gwUi mvt_ cPv tMvei mvi fvtjv Kti wgv|
2. tMvei mvi gwUi wZbfv[®] Mi GKf[®]M n[®]Z nte|
3. Utei wbtPi wQt` i Dci k³ tKt[®]bv BtUi UKiv ev Pvov `v|
4. Utei wZbfv[®] Mi GKf[®]M mvi wgv[®]bv gwU `vcb Ki | Gevi Pviv cij w_b mveav[®]b Acmv[®] Y Kti
Utei gwSLvtb Pviv wU emtq `v| Pviv Pviv` K w[~] tq AwZwi³ gwU tPtc emtq `v|
5. Gevi c[®]qRbg[®]Zv cwb w[~] tq 2-3 w[~] b Pviv wU Qvq[®]q ti tL `v|
6. mjh[®]M _Ktj gwU[®]Z wbg Pviv tivcY KitZ cvi |

bZb kā : AdtmU c[®]Z, c[®]Kgj K[®]A c[®]Z, MU Kj g c[®]Z |

cW-6 : e[®] | eb msi[®]Y

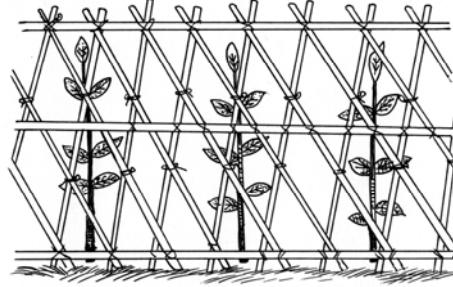
weifb[®]eKvi e[®] | eb msi[®]Y

Avgut` i ebR m[®]ut` i cwi gyY kZKiv 17 fM| Avevi bvbv Kvi tY weivRgvb ebR m[®]u` i a[®]stmi g[®]Lvg[®]| GB ebR m[®]u` i[®] | e[®] Ki tZ ntj ebvqb ` i Kvi | Avgut` i Pvic[®]ki bZb tivcY Kiv Pviv | eb msi[®]Y Kiv c[®]qRb |

e^z¶i Pviv | e„¶ msi ¶Y



WPT : Privileged command processor



WP̄ : Priv teov t` I qv



কাটোর যোগ্য ডাল



WPT : Kνόj e†Πi cöss

KvR : tivcY KvPviv I e„¶ msipY

1. Dctii wP̄ ch̄eNY Ki | tivcY Kiv Piv
msi ¶tYi Dcvq ej |
 1. c̄os Gi gvāt̄g Kvōj e¶ msi ¶tYi Dcvq Kx ?

Kvój e„‡K gj„evb K‡i †Zjvi Rb“ Ac‡qRbxq
Wj cyj v KZ‡ K‡i‡K c‡bs ejv nq| Mq‡K w‡w ó
mg‡qi e„ear‡b c‡bs Kiv n‡j K‡Vi cwi giv| gvb
DbaZ nq| moK eia, emZ‡FUV met‡‡‡B Dch‡
cwi Ph‡bv Ki‡j M‡Qi e‡‡ fv‡j v nq bv| Pvi v Q‡vK-
RbZ t‡w ev tcvKv-givko w‡‡q ht_ó cwi giv



WP† : weebokvjeb

Aþvísí n‡j , i vñqñbK KxUbvKk w ‡q Zv `gb Ki‡Z n‡e | Z‡e cñKñZKf‡te tñMeyjvB `gb Ki‡Z cñi‡j LþB f‡j v nq |

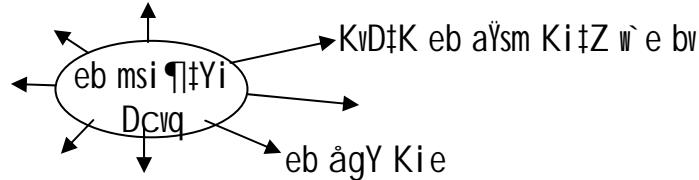
eb msi ¶Y

Aþbj eb åg‡Yi Mí

MñQcvj vq tNiv g‡bvi g cñi‡ek Aþbj LþB cQ` | kx‡Zi Qñ‡Z tm eveni m‡_ MñRxc‡i i kij eb åg‡Y tMj | etbi kij I MRÐ MñQ t` tL tm Aþbj Z n‡j v| wKš`we-ÝGjvKvR‡o etbi MñQ tK‡U DRvO Kivi `k` Zv‡K LþB Kó w`j | tm t` L‡j v eb `Lj K‡i gvþl emZ ewo wbg¶Y Ki‡Q| G Qrov bvþv Dc‡q eb aÝsm K‡i `L‡j i cij v Pj‡Q| Zvi eveni ej‡j b Avi I we-ÍZ GjvKvR‡o G eb wQj | etb n‡i K i K‡gi cñi‡mL t` Lv‡tZv| eveni Kv‡Q Avi I Rvb‡j v eb`mij v G etbi e¶¶ tK‡U Pni K‡i we¶u Ki‡Q| Aþbj Avg‡`i t`‡ki eb i¶Y Kivi Dc‡q w‡q mñi vñZ fvej | Zvi LvZvq tm eb i¶Yi Dc‡q m¤ú‡K¶j L‡j v, hv wþo¶e -

1. eb`mij‡`i cñZnZ Ki‡Z n‡e |
2. RbMY‡K etbi , i Z‡i tevSv‡Z n‡e |
3. mvgwRK eb m¤ó‡Z mevB‡K Ask w‡q n‡e |
4. etbi ci‡-cmL aÝsm Kiv h‡te bv |
5. ^fv‡eK w‡q‡g eb m¤ó‡Z evav t`qv h‡te bv |
6. eb msi ¶Y AþBb Rvþe Ges mevB‡K Zv tg‡b Pjvi ci‡gk® e |
7. RbMY‡K eb msi ¶‡Y m‡PZb Kie |

KvR : tZigiv mevB Aþbj eb åg‡Yi Mí gb w ‡q tkvþ | `jMZf‡te eb msi ¶‡Y Avi I Kx Kx Dc‡q Ae j¤^b Kiv hvq, Zv w‡q wPš‡Ki | tcv‡v‡i wP†wU m¤úbaK‡i `jMZ Dc-`vY Ki |



CW-7 : KvÈ t_‡K bZb Pviv ^Zwi c‡wZ

Dwmc c‡wZ ex‡Ri gwa‡g esk we-Ívi K‡i | AvRKyj Dwmt` i esk we-Ív‡i i Rb` KvÈ LÈ LjB Kvhrwi c‡wZ | Dwmt` i KvÈ LÈ t_‡K bZb Pviv ^Zwi i c‡wZ‡K KvÈ g A½R c‡wZ ejv nq |

Dwmt` i KvÈ LÈ t_‡K bZb Pviv ^Zwi

tkñ‡Z newfbœi Kg Dwmt` i wP† mswij Z PvUch‡e¶Y Ki | m‡e n‡j Dwmt` i bgjwl ch‡e¶Y Ki | Gme Dwmc Kxfv‡te eskw-Ívi K‡i Zv etjv |

KvR : KvÈ LÈ t_‡K bZb Pviv Drcv` b (tRvovq KvR)

Pv‡Uw wP† kvLv Kjg, „U Kjg | tRvov Kjg c‡wZ ch‡e¶Y Ki | tKvbwU tKvb c‡K‡i i KvÈ g A½R c‡wZ Zv kbr³ Ki |

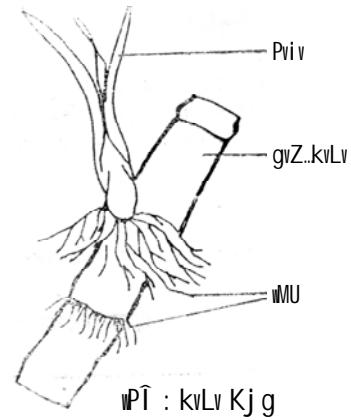
KvÈ g A½R c‡wbb

1. kvLv Kjg ev KvUs

Kl‡Kiv AvL MwQ G c‡wZ‡Z tivcY K‡i | cwiYZ MwQ t_‡K wP† i gtZv K‡i tK‡U wb‡q, Av‡Li kvLv tfRv gwU‡Z jMw‡bv nq | kvLwU ^vfwewKf‡te eo n‡q bZb AvL Mw‡Q cwiYZ nq |

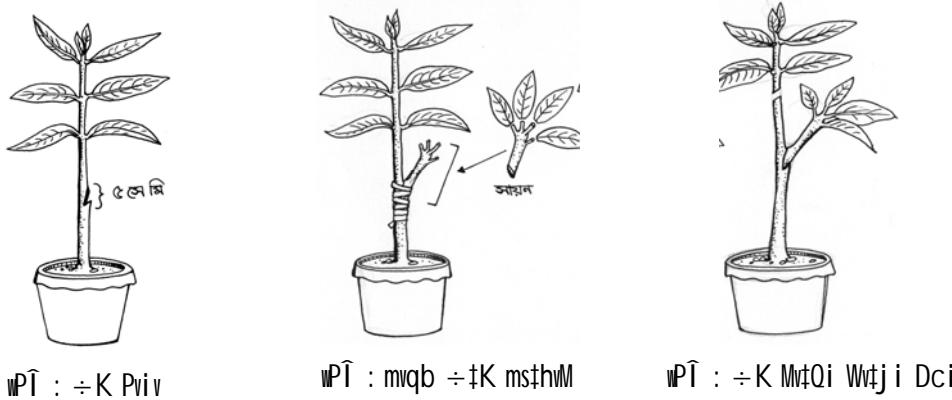
2. „U Kjg

G c‡wZ‡Z fv‡jv Rv‡Zi gwZMwQ t_‡K Kjg K‡i bZb MwQ ^Zwi Kv nq | „U Kjg LjB Rbw‡q | mnR c‡wZ | tjey tcqviv, m‡d`v, wjP‡ i ½b c‡wZ Mw‡Q G c‡wZ‡Z Kjg Kv nq | „U Kjg ^Zwi i Rb` GK eQi eq‡mi m‡ZR wj wb‡Pb K‡i‡Z n‡e | Gevi wZbfwM t`vAvk gwUj i m‡_GKfwM cPv tMvei mvi wgwkt‡q cw‡b w‡q tc‡ ^Zwi K‡i‡Z n‡e | wP† i gtZv K‡i avivj Qvi w‡q wb‡PZ Kv‡Ei AMfwM t_‡K AšiZ 60 tmwg wb‡Pi 5 tmwg tMj K‡i Qm‡q wb‡Z n‡e | Qj gy‡ Ask c‡tg PU w‡q GKUzN‡i wb‡Z n‡e | Gevi Qj gy‡ Ask wP† i gtZv K‡i tc‡ cw‡b g‡o `B gjL my‡v w‡q ev‡Z n‡e | 3-4 mB‡tni g‡a Qj tZvjv Ask mv` v wKko cw‡b‡bi evB‡i t_‡K t` Lv hv‡e | wKko fv‡jv K‡i MRv‡j Ges ev` mg i‡oi ntj wjw‡K tK‡U Ute jwM‡q K‡qKw` b Qvqiq ivL‡Z n‡e | g‡S gw‡S U‡ei gwU‡Z cw‡b w‡Z n‡e | tiv` ivL‡j K‡qKw` b ci bZb cvZv MRv‡te |



3. **mehy³ tRlo Kj g**

G Kj tggi GKwJ DrKó D`wniY n⁷Q wfibqvi Kj g |
wfibqvi Kj g



G c⁷Z⁷Z Avg, K⁷M⁷ M⁷Q Kj g Kiv nq | em⁷-I kirkj⁷ wfibqvi Kj g Kiv Dch³ mgq | G K⁷Ri Rb⁷ c⁷tg e⁷RZj⁷ q ev Ute 9-12 gwm eq⁷ < Aw⁷ tRlo M⁷Q ^Zwi K⁷Z nte | P⁷ri w⁷ui tM⁷ov t⁷K 20-30 tmig Dcti Kj g ^Zwi K⁷Z nte | P⁷t⁷i g⁷Zv K⁷i avij Q⁷i w⁷ tq d⁷K P⁷ri w⁷Zb f⁷mi GKf⁷M L⁷R t⁷Kt⁷ u⁷b⁷Z nte | Gevi Ab⁷ GKwJ GKB eq⁷mi P⁷ri t⁷K d⁷K M⁷Q i W⁷j i Dcti i Ask t⁷ZiQ⁷ K⁷i t⁷Kt⁷ u⁷b⁷Z nte | G Ask⁷K m⁷qb ej⁷ nq | AZtci m⁷qb d⁷K m⁷st⁷hM K⁷i < P⁷uc w⁷ tq g⁷to w⁷ Z nte | c⁷w⁷tb⁷i X⁷Kb⁷ w⁷ tq Kj g⁷J tX⁷K w⁷ Z nte | 2-3 m⁷B⁷vni g⁷a⁷ m⁷qb tRov t⁷M w⁷j t⁷K K⁷o MR⁷Z ii⁷Ki te | G c⁷Z⁷Z we⁷fb⁷dtj i M⁷Q i Kj g Kiv h⁷q |

KwR : we⁷fb⁷ t⁷j kwL⁷ Kj g, w⁷U Kj g I tRlo Kj g u⁷ tq Av⁷j w⁷Pb⁷ Ki | c⁷Z⁷K `j w⁷ba⁷i Z Kj g⁷ui p⁷t⁷ tcv⁷i A⁷K | Gevi tg⁷L⁷K Dc⁷ vcb Ki |

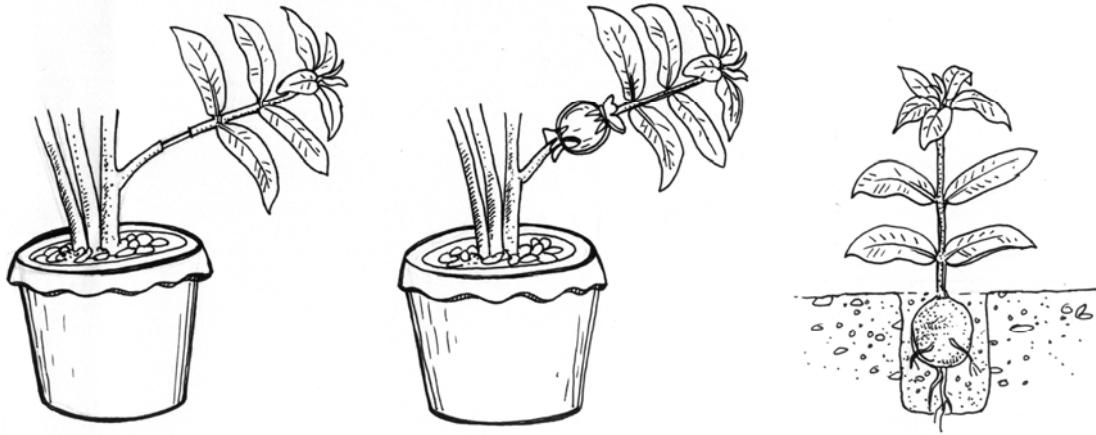
bZb kā : kwL⁷ Kj g, w⁷U Kj g, wfibqvi Kj g, m⁷qb |

cW-8 : KwE t⁷K bZb P⁷ri w⁷Zwi Kiv

KwE t⁷K bZb P⁷ri w⁷Zwi Kiv (e⁷en⁷wi K)
we⁷ "j q c⁷wi t⁷k e⁷en⁷wi K KwRwJ Ki |

KvR : „U Kj g c~~z~~ ZfZ Pri v ^Zwi (j MZ KvR)

DcKiY : Utē ḡvZM̄Q, Q̄n̄i , t̄M̄e i t̄gk̄v̄t̄b̄v̄ t̄ v̄Añk̄ ḡw̄J̄i t̄c̄ ÷ , c̄w̄j̄ w̄_b̄, m̄ȳz̄v̄



$\mathbb{P} \widehat{\mathbf{T}} : i \frac{1}{2} \# bi \cup K_j g c \times \mathbb{Z}$

Kh[©]C[®]wj

- 1 | ॥be॥PZ m‡ZR Kv‡Ei tKvb As‡k Kj g ^Zwi Ki †e Zv kbv³ Ki |
2 | avi j Qni w`‡q ॥ba॥i Z As‡ki 5 tmwg As‡ki evKj mveav‡b Z‡j tdtj v|
3 | evKj gy³ Ask f‡tj v K‡i PU w`‡q N‡l `v|
4 | Gevi `BfWM t`vAuk gwU I GKfWM cPv tMvei tgkv‡bv tc÷ bv| ॥be॥PZ As‡k tMvj I ci" K‡i
j MVI |
4 | cwi w_b w`‡q tc÷ f‡tj v K‡i tc‡P‡q `B gl k³ K‡i m‡Zv w`‡q tet‡a `v|
5 | ॥Zb mBvn cti j ¶ Ki bZb ॥kKo ॥R‡q Pviv ^Zwi ntqtQ| Gevi avi j Qni w`‡q Pviv Avj v K‡i
U‡e ev gwU‡Z tivC Y Ki | K‡qK w`b tX‡K ivL| Gevi tiv` `v| gwU i ॥K‡q tMtj tMvoq ॥bqngZ
tmP `v| ॥¶K N‡i N‡i `j xq KvR ch‡e¶Y Ki †eb| c‡qR‡b mn‡hwmZv Ki †eb| KvR tktI
c‡Z"K `j Zv‡`i KvR Dc`vcb Ki †eb| ॥¶K ॥¶v_x‡P i Kv‡Ri tgŠLK gj vqb Ki †eb|
॥¶v_x‡P i DrmwnZ Ki †eb| ewo‡Z Kv‡E t‡K Pviv ^Zwi i Ab" c‡wZ ,‡j v Abjkj †bi civgk
† †eb|

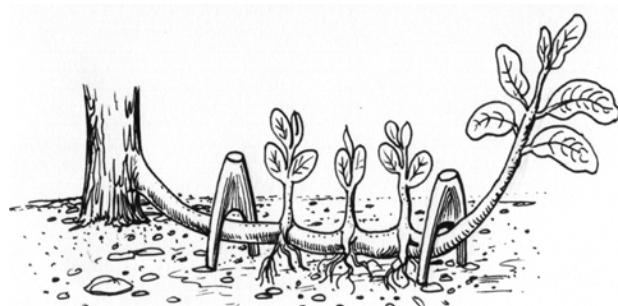
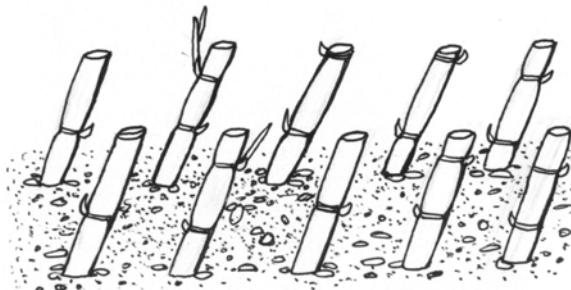
cW-9 : KvÈ LÈ t_È K nÈ Z-Kj tg bZb Pri v Drcv` b

G cWlU wK¶v md‡ii gva‡g m¤úbœ Ki | tZgiv
wK¶K‡K mv‡_ wb‡q wbKUZg tKv‡bv bvm‡i †Z hvl |
tmLv‡b djR/ebR et¶i Pviv Drcl`b c‡mZ, †jv
ch‡e¶Y Ki |

tZgiv KvÊ LÊ t_ŁK KwlUs cñZtZ n‡Z-Kj tg Pvi
^Zwi Ki | cñqRtb w¶‡Ki mn‡hwmZv bvl | KwlUs
cñZtZ Pvi Drcri b cñzi cñte`b LvZiq tjL |
w¶‡KtK wbañi Z ` tb Rgv ` v |



WPI : bvmwf tefw Pvi vi hZœ



W \widehat{P} : k\|L\| Kj g te\|W t i\|cY Ki\| n\|q\|Q

চিত্র : দাবা কলম তৈরির পদ্ধতি



WPT : WUKJG

cW-10 : Kwl R wbgY mvgMö Kw I eutki eñenvi cñZ

Augt` i cÖZ`mK Rxetb KwlR mbgY mgMÖ KW I eitki eüma e"envi i tqQ| MmbgY t_tK ii"Kti cÖq
me KtRB G `yJ Dcv`vbi e"envi LyeB ,i ZcY@

Kwl R wbgY mvgMö Kv‡Vi e„envi

Avg‡` i cÖZ wK Rxetb Kv‡Vi e„nea e„envi i‡q‡Q| cwi‡ek Mp wbgY | Avmevec‡ ^Zwi‡Z KvV e„envi
Kiv nq| tZvg‡` i ewo | we` „ij q cwi‡ek‡K wbtq fve| Gme ^`v‡b Kx Kx wRbom ^Zwi‡Z Kv‡Vi e„envi
nq? tKvb tKvb Mv‡Qi KvV Kx Kv‡R e„envi nq?

G‡mv Gevi Avgiv Kv‡Vi we^`Z e„envi wkwL|

1. Mp wbgY mvgMö ^Zwi

ewm‡ni LjU, Avov, cwUvZb | teovi PvUvB ^Zwi‡Z Kv‡Vi e„envi nq| GQov Rvbjv-` i Rvi tdgl KvV
w`‡q ^Zwi nq| kuj, tm,b, my`wi, KoB, t`e`vi "cFwZ Dw‡t` i KvV Gme Kv‡R e„envi nq|

2. Avmevec‡ ^Zwi

tPqvi, tUej, tmvdv, LvU, Avj gwi cFwZ KvV w`‡q ^Zwi nq| tgnMib, tm,b, KoB, Kuj, t`i BbUa cFwZ
Dw‡t` i KvV Gme wRbom ^Zwi‡Z e„envi nq|

3. h‡bevnb ^Zwi

tbŠkv, jÅ, Bw‡gvi, em, UJK ^Zwi‡Z KvV e„envi nq| GQov Mi‡Mwo, wiKkv, f‡b, tij jvB‡bi w`‡wi
cFwZ KvV w`‡q ^Zwi nq| kuj, my`wi, Rvj, evejv, wZivR cFwZ Dw‡t` i KvV Gme h‡bevnb ^Zwi‡Z
e„envi nq|

4. hŠcwZ ^Zwi

jv‡j, tRvqyj, AvPiv, B‡j KujK mBP ^Zwi nq KvV w`‡q| bvbvi Kg tLjvi mvgMö KvV w`‡q evb‡bv nq|
tj Lvcovi tcwYj, KvMR ^Zwi‡ZI KvV e„envi nq| Zvj, evejv, Mve, jUKb | tMIqv KvV w`‡q Gme mvgMö
^Zwi nq|

5. Ryj wib KvV

Avg, g‡vi, wZivR, Dw Avg ev Ab‡b Mv‡Qi eR© Ask cFwZ Dw‡t` i KvV Ryj wib wntm‡e e„envi nq|
GQov t`qvkjvB ^Zwi nq tMIqv, wkgj, K`g | QwZg Mv‡Qi KvV w`‡q| c‡BDW ^Zwi‡Z Avg, wZivR, K`g
Kv‡Vi e„envi nq| tK‡i wmb KvV w`‡q ^Zwi nq c‡KwRs ev|

KvR : KvV Drca` bKvix Dw‡t` | Gi e„envi (^jxq KvR)

Kw e'enf i i t̄l̄t̄	t̄Kvb t̄Kvb KvR Kxvte Kw e'envi nq Zvi 2M D`vni Y `vI	Kw Drct̄ bKvix 2M DiM̄t̄ i bvg v̄j L
1. Mn vbgY		
2. Avmevec̄ ^Zvi		
3. hvbevb ^Zvi		
4. hšcwZ ^Zvi		
5. Rj wb		

Kw R vbgY m̄gM̄ eut̄ki e'envi

euk Avgit̄ i Rxetbi i i "t̄t̄K tkl chS-KvR jvt̄M | t̄Zgiv c̄Z t̄K eut̄ki GKU Kti e'envi ej | Gvi Gtm̄ Avgiv eut̄ki e'envi m̄gut̄K^Avi I fvt̄j vfvte t̄Rtb tbB |

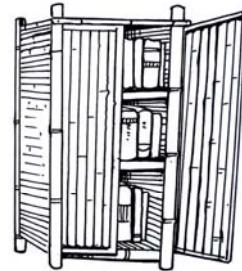
1. vbgY KvR euk : M̄gY ^i Avgi gvt̄l i emo-Ni vbgY eut̄ki Dci vbfPkyj | v̄t̄kl Kti eivK I G RvZiq k³ euk Mn vbgY teuk e'envi nq |
2. Avmeve ^Zvi t̄Z euk : c̄vzbZ gjx, givj | Zj euk w̄t̄q Avmevec̄ ^Zvi nq | eKt̄kj d, tmvdv, tgrov, t̄Pqvi c̄vzbZ Gme euk w̄t̄q ^Zvi Kiv hvq |
3. m̄gZKi t̄Y euk : givj, Zj -l m̄gZKi t̄Y euk w̄t̄q m̄gZKi t̄Y Kiv nq | Ni -emo I Andm m̄gZKi t̄Y Gme eut̄ki c̄vzbZ e'envi n̄t̄q _v̄K |
4. hšcwZ ^Zvi t̄Z euk : k³ ai t̄bi eivK euk w̄t̄q hšcwZ ^Zvi Kiv nq | jv½j, t̄Rvqyj, t̄Kv`vj, gB, Apov c̄vzbZ eivK euk w̄t̄q ^Zvi nq |
5. hvbevb ^Zvi I Rj wb vnm̄te euk : k³ ai t̄bi eivK euk hvbevb ^Zvi t̄Z e'envi Kiv nq | vi Kkv, tbSkv, Mi" I t̄Nvovi Mmo ^Zvi t̄Z eut̄ki e'envi n̄t̄q _v̄K | me ai t̄bi euk, eukcizv I Abv̄b Ask Rj wb vnm̄te e'envi Kiv nq |



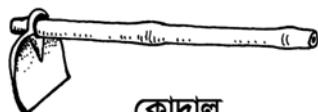
বাঁশের ঘর



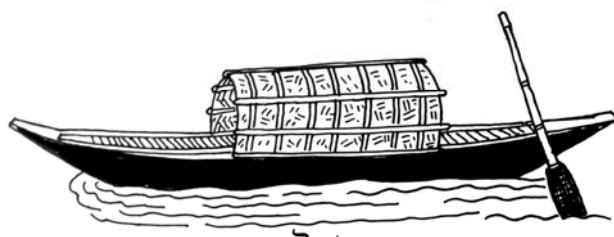
বাঁশের মোড়া



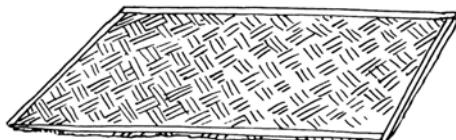
বুক শেলফ



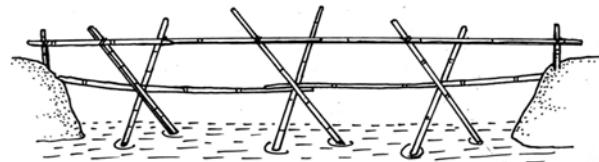
কোদাল



নৌকা



চাটাই



সাঁকো

MP̄ : eñki ^Zni wRwbmc̄

Abkxj bx

1| kb̄-’lb c̄Y

- K. eñjñt̄ t̄ki me t̄Rjñt̄ZB PvI nq |
- L. eñkMñt̄Q GKñZ eñt̄i GKñi I nq |
- M. Kññj GKñU eñmea eñenvi Dññc |
- N. Avgñt̄ i ebR mññt̄ i cñgñY kZKñi fñM |
- O. Avgñt̄ i Rñet̄bi i iñt̄K t̄kl chñ-KññR jññM |

2 | **ɪgj** KiY :

	evgcik	Wbcik
1.	c̄Siw	tZij
2.	w̄exRc̄x Dw̄m̄	eik
3.	eueI Rxex Kw̄oj N̄m	tgnM̄b
4.	Kw̄Vi is jyj njy	Ayg
5.	w̄Pinwir Dw̄m̄	Kw̄yj

3 | eūbePib c̄kə:

1. c̄v̄Kw̄Rs ev̄ ^Zw̄tZ tKw̄b Kw̄ ēeüZ nq?

- | | |
|--------------|----------|
| K. K`g | L. ɪkgj |
| M. tK̄i w̄mb | N. Qw̄Zg |

2. w̄bg M̄tQi c̄dj K̄s t̄j v-

- i. j x̄tU
- ii. w̄x̄tKw̄Zi
- iii. ekPkw̄Zi

w̄b̄Pi tKw̄bU m̄w̄K?

- | | |
|-------------|----------------|
| K. i ii | L. i iii |
| M. ii iii | N. i, ii iii |

mb̥Pi Abt"Q`wU c̥to 3 | 4 bs c̥k̥e D̥̄i `vI :

i̥ng | K̥ig `B eÜz̥ Db̥z̥ d̥w̥b̥P̥i ^Z̥i i̥ D̥̄i t̥k̥ GKB R̥Z̥q̥ Ges̥ i̥g̥n̥ Ḁki̥ ebR̥ M̥̄Q̥i̥ 2̥U w̥f̥b̥ḁf̥b̥e̥ ,̥no̥ μ̥q̥ K̥ti̥ | GKB K̥W̥g̥-̥z̥ w̥̄t̥q̥ d̥w̥b̥P̥i ^Z̥i i̥ ci̥ t̥`L̥ t̥M̥ K̥i̥ t̥gi̥ d̥w̥b̥P̥i̥ K̥W̥P̥Z̥ i̥s̥ M̥p̥ K̥j̥ t̥P̥ n̥t̥j̥ | i̥n̥t̥gi̥ d̥w̥b̥P̥i̥ i̥s̥ j̥v̥ t̥P̥ L̥q̥i̥ n̥t̥q̥t̥o̥ | G̥Z̥ i̥n̥t̥gi̥ g̥b̥ L̥i̥v̥c̥ n̥t̥q̥ t̥M̥j̥ |

3. i̥ng | K̥i̥g̥i̥ μ̥q̥ K̥i̥v̥ M̥Q̥U̥ w̥Q̥j̥ -

- | | |
|--------------|---------------------|
| K. t̥m̥, b | L. K̥W̥j̥ |
| M. t̥gn̥M̥b̥ | N. Ḁv̥K̥i̥k̥g̥i̥b̥ |

4. K̥i̥t̥gi̥ d̥w̥b̥P̥i̥ Db̥z̥ n̥l̥q̥i̥ K̥i̥Y̥ M̥Q̥U̥ i̥-̥-

- i. t̥e̥k̥ c̥w̥i̥c̥K̥i̥w̥Q̥j̥
- ii. i̥g̥n̥ Ḁki̥ w̥Q̥j̥
- iii. L̥p̥ m̥y̥ i̥ c̥w̥j̥ k̥ mb̥q̥w̥Q̥j̥ |

mb̥Pi̥ t̥K̥b̥w̥U̥ m̥i̥V̥K̥?

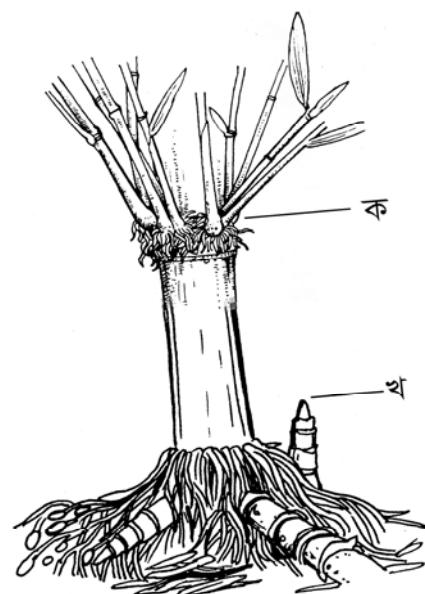
- | | |
|-------------|----------------|
| K. i ii | L. i iii |
| M. ii iii | N. i, ii iii |

4 | m̥R̥b̥k̥j̥ c̥k̥e̥

1. c̥Ḁg̥ t̥k̥Y̥i̥ w̥k̥P̥m̥w̥R̥ c̥l̥q̥B̥ t̥c̥t̥U̥ Ḁm̥L̥ | P̥g̥i̥v̥M̥ t̥f̥v̥M̥ | M̥̄s̥i̥ Q̥U̥t̥Z̥ M̥̄t̥gi̥ e̥w̥o̥t̥Z̥ teo̥t̥Z̥ G̥t̥j̥ `v̥ v̥ m̥w̥R̥ t̥K̥ Z̥i̥ e̥M̥t̥bi̥ G̥K̥U̥ M̥̄Q̥i̥ c̥v̥Z̥ Ges̥ Q̥t̥j̥ i̥ i̥ L̥i̥ q̥b̥ | k̥i̥x̥i̥ j̥w̥M̥t̥q̥ t̥ b̥ | G̥t̥Z̥ t̥m̥ m̥j̥' n̥t̥q̥ t̥V̥ | G̥ Q̥o̥v̥ `v̥ v̥ m̥w̥R̥ t̥K̥ Z̥i̥ e̥w̥o̥i̥ w̥e̥t̥k̥l̥ G̥K̥U̥ d̥t̥j̥ i̥ e̥M̥b̥l̥ N̥i̥t̥q̥ t̥`L̥b̥ | m̥w̥R̥ t̥K̥ Z̥i̥ `v̥ v̥ Ḁv̥K̥t̥i̥ m̥e̥t̥c̥P̥v̥ eo̥ | w̥e̥t̥k̥l̥ Y̥m̥s̥úb̥d̥H̥ d̥j̥w̥U̥ m̥s̥út̥K̥c̥ḁv̥i̥Y̥ t̥ b̥ |

- | |
|--|
| K. t̥gn̥M̥b̥ M̥̄Q̥i̥ G̥K̥U̥ c̥R̥w̥Z̥i̥ b̥v̥ t̥j̥ L̥ |
| L. e̥u̥k̥t̥K̥ w̥b̥g̥P̥ m̥i̥g̥M̥ e̥j̥v̥i̥ K̥i̥Y̥ e̥v̥L̥v̥K̥i̥ |
| M. m̥w̥R̥t̥ i̥ `v̥ v̥ e̥M̥t̥bi̥ H̥ d̥j̥w̥U̥ w̥e̥t̥k̥l̥ Y̥m̥s̥úb̥d̥K̥b̥, K̥i̥Y̥ e̥v̥L̥v̥K̥i̥ |
| N. M̥̄g̥x̥Y̥ R̥b̥-̥y̥-̥`-̥ c̥w̥t̥e̥k̥e̥v̥ü̥e̥ K̥i̥t̥Z̥ m̥w̥R̥t̥ i̥ e̥e̥n̥v̥i̥ K̥i̥v̥ M̥Q̥U̥i̥ D̥c̥t̥h̥w̥M̥Z̥v̥ w̥e̥t̥k̥H̥Y̥ K̥i̥ |

2.



K. ଚାନ୍ଦିଲା ଦୀର୍ଘ କୁଳ ଏହି ?

L. କୁଳରେ ମୁଣ୍ଡକ ଏବଂ ଗାଢି କିମ୍ବା କିମ୍ବା କିମ୍ବା

M. କୁଳରେ ଏକାକୀ କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା

N. କୁଳରେ ଏକାକୀ କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା

5 | ମୁଣ୍ଡକ କିମ୍ବା :

K. ଏବଂ କୁଳ ଏହି ?

L. ଏବଂ କୁଳ ଏହି ?

M. ଏବଂ କୁଳ ଏହି ?

N. ଏବଂ କୁଳ ଏହି ?

6| i Pb̄gj K c̄k̄e

- K. tgnM̄b M̄tQi P̄l c̄x̄Z eȲv Ki |
L. K̄v̄j M̄tQi A_%b̄ZK _iZjēvL̄v Ki |
M. euk M̄tQi ēenvi eȲv Ki |
N. ,W̄ Kj g c̄x̄Z,W̄ eȲv Ki |

mgvB



বঙ্গবন্ধুর স্বপ্ন— দারিদ্র্য ও নিরক্ষরতামুক্ত সোনার বাংলাদেশ গড়তে
নিজেদের যোগ্য নাগরিক হিসেবে গড়ে তোল

- মাননীয় প্রধানমন্ত্রী শেখ হাসিনা

গুরুজনকে মান্য কর



২০১০ শিক্ষাবর্ষ থেকে সরকার কর্তৃক বিনামূল্যে বিতরণের জন্য

মুদ্রণ :