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' mXe¶\$
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{O; H\$ ' hrami>{dÜmrR>
J¶O¶\$×, nlo411 037.

Ar¶O¶a 2021

F\$U{ZX}e

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gXa gēnVZ H\$avnzM 'm {ej UnŋYH\$nar, ànV{'H\$ {Oëhm n[afX nŋo 'm JO> {ej UnŋYH\$nar, 'm {dnVna A{YH\$nar, H\$Dà'w ŋnŋŋH\$Zhr 'cm gVV àaUm d A'jŋŋ 'wŋeZ {'i nco Eŋm-Ôc 'r EŋnMo 'Z..nŋP\$ Am^na iŋŋ°\$ H\$avno Eŋna' nŋo Am^ŋŋm {Oëhm {ej U d à{ej U gŋWm nZdc, {O. anŋJS> ŋWrc 'nPo gd^ghH\$nar ŋnMo Cŋm ghH\$ŋŋcm^eŋm-Ôc EŋnMbr 'r Am^na 'nzVno

Áŋnŋŋm ghH\$ŋŋŋm ohm gēnVZ Ahdnc nŋEdng Jcm Eŋm gd^emi nŋo{ej H\$, 'wŋŋŋŋŋH\$ ŋnMo 'r Am^na 'nzVno ŋm gēnVZngnR: cmUnao gX^cmŋŋŋŋ CncāY H\$e\$Z Xŋnao gd^g\$ŋYV JŋncŋŋZ A{YH\$nar VgM 'nPo 'wŋeP\$ 'm Sxŋ 'rZc ZadUo ŋnMm 'r gXd F\$Ur anhrZ.

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JldTmm dmt> hm {Zidi MM}m {df} an{hcm Zgy È}mgnR\$ àÈ}j H\$VrMr Andí}H\$Vm Anho H\$hr à`nU dJi Vm AnVm 'wco emi V Xml c hnd{r}mMo à`nU Wn\$ø Var g' mVnZH\$naH\$ Anho Or Wn\$ø 'wco emi m~mØ AnhV È}mgnR\$ gØm {d{dY ñVandèZ à}ÈZ gè\$ AnhV.

ñWn{ZH\$ ñdanÁ} g\$WÁ}m {d{dY emi V {eH\$Unè`m {dÚmi` nMr JldTmm dmt>Uo H\$V` w\$ AU` `Z nØVr am-dy {dÚmi` nMm ej {UH\$ XOm{dmt>Uo È` nMr JldTmm dmt>Uo àÈ` H\$ {dÚmi` nMm ñdV..À`m JvZo AU` `Z H\$Vm `Wø àÈ}mH\$ {Oèhm n{afX emi Mr nO\$y`m dmt>Uo {dÚmVu Ji VrMo à`nU H\$_r H\$Uo {Oèhm n{afX emi n{H\$ø {dÚmi` nZm AnH\$FØ H\$UoAer `m CnH\$_nMr C{Øi`øhnr.

ej {UH\$ àJVrMm XOn^ogVmaÉ^ongnR\$ {Oëhm ànW{ 'H\$ {ej U H\$H\$P\$ (S\$nrB\$),
gd^o{ej m A{^^oqZ, am^o \$ 'n^oq{ 'H\$ {ej m A{^^oqZ AYJ^o AZb\$ à^oÉZ PmccoAnhV d
AX^ommhr g^o\$ AnhV. {Oëhm n^oVi rdé\$Zhr {Oëhm n[afXnMo 'm 'w^oq H\$H\$P\$ A{YH\$nar,
'm {ej UmYH\$nar (ànW{ 'H\$) q^ozr H\$hr CnH\$' g^o\$ H^oco AnhV. na\$wVri H\$ à' nUnV
H\$hr AndnX dJi Vm ej {UH\$ XOn^o gVmaUm Pn^oÉ^oqInMo' \$nago{ZXEZng q^oV Znr.

n^oW^o {Oëhm^oq^oq^o ej {UH\$ J^oWd^onm d^om^ognR\$ gV à^oÉZerc AgUmao n^oW^o {Oëhm
n[afXMo 'nZ^or^oq nXnYH\$nar, AnXaUr^oq 'w^oq H\$H\$P\$ A{YH\$nar, 'm {ej UmYH\$nar
(ànW{ 'H\$) q^ozr H^oÉ engZnH\$S^oZn(dV^oqIn^oU^oCnH\$' nVJ^o "Xn[aDç {Z' ÉZngnR\$ j 'Vm d^oÉr'
(Capacity building for poverty reduction) hm Aä^oqngn^oU^oànVnd gnKa H^ocm É^oq^oU^oq^o
n^oW^o {OëhmVrc " ^n^o Vnc^oÉ^oqInMr "H\$V^oq^o\$ AÜ^oq^oZ n^oÖVr' (Activity Based Learning
ABL) gnR\$ à^oq^oU^oH\$ V^oIdnda àYn^oq^oZo {ZdS>H\$É^oq^oV Amcr.

H^oÉ engZnH\$S^oZ àn^o Pnc^oÉ^oq^o {Zyr' Yz H^odi AÜ^oq^oZ-AÜ^oq^oZ gn(hÉ^oq {Z{ 'ÉrMo
70% H\$nr n^oU^oC^oH\$É^oq^oV Amco CnH\$' nMr Cn^oq^o\$Vm cj nV KDSZ hr AÜ^oq^oZ n^oÖVr
n[aUm^o H\$naH\$É^oq^o am-{dÉ^oq^ongnR\$ {Oëhm {Z^oq^oDZ g{ 'Vr 'm \$V And^oq^oH\$ Vm {Zyr CncäY
H\$é\$Z XÉ^oq^oV Amcm

1.2 ^naVnVrc ànW{ 'H\$ {ej UnMm{dnVma :

^naVr^oq g' nOm^o U^oq^o I q^o à' nUnV {d{dYVm Anho g' nOmVrc Am^oÉ^oz q^oU^onar
gm^o n(OH\$ nVandarc {df' Vm X^oq^o ihndr àhUz {Za{Zan^oU^oq^oWma g' nOgVmaH\$Z^or à^oÉZ H^oco
AnhV. {df' Vm Zi> H\$É^oq^ongnR\$ AZb\$ {ej U àgnaH\$Z^orgU^oXm à^oÉZ H^occo AnhV.
{ej Um(edn^oq^o i^oq^o\$Vm {dH\$ng Znr ho^oq^oVz ñni>OmUdco

ñdnV^oq^o n^oU^oC^oH\$ni nV ànW{ 'H\$ {ej UnMm \ \$nagm àgna Pmccm {Xgz q^oV Znr. Om
àgna Pmccm Vnr ' \$naM _X JVrZo Pmccm 1881-1882 `m gmcnV AgUnar emi n^oMr
g^o\$`m d {dUnWu g^o\$`m 1946-47 gmcnV AZM\$ _o XrS> nQrZ^o d Mma nO^oZo EdT^o\$M
d^om^oÉ^or. ho {M^o ñdnV^o \$ { 'i n^oÉ^oq^oZ^oa ~Xcco ñdV^o ^naVnMr an^o KQZm 26 OmZolnar,
1950 nngz A_cnV Amcr. `nVrc H\$C_ 45 à_nUo6 Vo14 d`n^oU^oq^oVrc _vcn- _vcT^o `m
{ej UnMr O~m-Xnar an^o n^oÉla gnm{dÉ`nV Amcr. {ej U hm {df` H^oÉ d an^o `n^oÉ`m

EH\$IV `nKrV g_n{di>H\$aE`nV Anccm Anho n{hè`m nMdmfPP\$ `nDZV {ej UmgnR\$ H\$cè`m VaVkrnH\$ 56% VaVX ànV{H\$ {ej UmgnR\$ H\$aE`nV Anccr hnr. È`nMm n[aUm_ àhUz 1960-61 n`V emi nMr g\$`m Xbn0>Pmcr. Xgè`m nMdmfPP\$ `nDZV _c^V d ànV{H\$ {ej UnA`m {dnVnanda ^a Xè`nV Ancm, Va {Vgè`m nMdmfPP\$ `nDZV d¶ 6 Vo14 df}d`nDZV/rc gd~mcH\$¶¶m {ej UmgnR\$ g{dYm n{n{dUo{ZpíMV H\$cJoJco hnr/ò `nM dór _vctA`m {ej UnH\$S\$ {def cj Xè¶mV Ancó `nMnhr n[aUm_ emi nA`m g\$¶nè`H\$ dnt`da Pmccm Ant`i z `Vno EH\$XarV n{hè`m VrZ nMdmfPP\$ `nDZnA`m H\$ni nV ànV{H\$ {ej UnMm Pnn0¶nZo {dnVna Pmccm Mnj`m nMdmfPP\$ `nDZmngz _nÜ`{H\$ d Cf {ej U/Vn¶H\$ {ej U `m gnR\$Mr An{WPP\$ VaVX QBB¶¶mZodmTV Jcr. È`m _mZnZo ànV{H\$ {ej UnMm {dnVna Pmccm, Ver ^ard An{WPP\$ VaVX `m dnt`cr Znhr. 1965-66 _Ü`oAgUmar emi nMr g\$`m Xbn0>ihmì cm 1990-91 gmc COn\$ædocmJco 2000-01 gmc ^naVnVrc ànV{H\$ emi nMr g\$`m gwræo 6,38,738 EdT\$ hnr, Va Cf ànV{H\$ emi nMr g\$`m 2,06,269 BVH\$ Pmcr. EH\$U ànV{H\$ {ej U XbUe`m emi nMr g\$`m Odi Odi gnSæAnR>cm EdT\$ hnr.

^naVnVrc 6 Vo14 df}d`nDZV/rc _vcm- _vctA`m nDZnKUr gX^np {dMna H\$ccm Va Jè`m nBng dfnp ànV{H\$ emi Vrc nDZnKUr Xp0xÀ`ngj m OniV Pmccr {Xgz `Vø Va Cf ànV{H\$ emi Vrc nDZnKUr Odi Odi nM n0xZo dnt`cr {Xgz ¶Vø 2000-01 `m gmcnV AnnU 6 Vo14 df}d`nDZV/rc 85.9% {dUnVu ànV{H\$ emi V Xml c H\$e\$ eH\$cm Va Cf ànV{H\$ emi V 58.6% {dUnVu Xml c H\$e\$ eH\$cm nDZnKUrA`m ~m-VrV AnUI r EH ~m- g' OVo H\$, _vctMr g\$`m ànV{H\$ emi V Xbn0>Pmccr Ant`i Vo Va Cf ànV{H\$ emi V Xhm n0xZo dnt`Pmccr {XgVo 1950 gmcr EH\$U nDZnKUrA`m à_nUnV, ànV{H\$ emi V _vctMoà_nU 28.1% Va Cf ànV{H\$ emi nÜ`o hoà_nU 16.1% BVH\$M _`n¶XV hnr/ò Va 2000-01 gmc ànV{H\$ ñVanda hoà_nU XrS>n0>Pmccø Va Cf ànV{H\$ ñVanda hoà_nU AS¶M n0>Pmccø {Xgz `Vø AOzhr _vctA`m emi V OnÈ`mÀ`m à_nUnV ^ard ^a hnrJo Andí`H\$ Anho AX¶nhr Odi Odi {Zâ¶¶móim A{YH\$ _vcr {ej Unngz d\$MV Anhv. ^naVnVrc ànV{H\$ emi Vrc

{ej H\$/{ej H\$A`m g\$`Mm {dMna H\$cm AgVm 1950-51 _U`o ànV{H\$ d Cf ànV{H\$ emi V AZM\$_o5,38,000 EdTæd 86,000 {ej H\$ hnb/o `nV AZM\$_o82,000 d 13,000 ' {hcm {ej H\$m hnb`m hrM g\$`m 2000-01 gmc r AZM\$_o1896 hOma d 1326 hOma EdTæ Pmc r. `nV gd` {hcm {ej H\$Mr g\$`m AZM\$_o675 hOma d 506 hOma EdTæ Anho {ZiH\$f`Agm H\$, ànV{H\$ {eúnU {d^mJnVrc {eúnH\$A`m g\$`m {VBnO> dnt>Pmc r, Va Cf ànV{H\$ {eúnU nVandarc {ej H\$Mr g\$`m gni m nO> dntæ r. ór {ej H\$Mr g\$`m ànV{H\$ nVandarc MnXm nO>Va Cf ànV{H\$ nVandarc gw nnoMmi rg nOæZo dntæ r {XgVo Varhr EH\$U {ej H\$ g\$`A`m 1/3 EdTæM ' {hcm {ej H\$Mr g\$`m Anho {dÚnWu {ej H\$ à_nU nMm {dMna H\$cm Va 1950 ngj m ho à_nU OmV Anho emi m dntæ`m {dÚnWu g\$`m dntæ r d È`nM ~ano-arc m {ej H\$ {dÚnWu ho à_nU hr dntæ o XOXna d Jw dTm nU {ej U àná H\$E`mgnRæ {ej H\$ {dÚnWu à_nU H\$_r AgUo ' \$mX`ea RaVo

emi V OnUnè`m {dX`mWu g\$`m {dMna H\$cm AgVm, B.g.1950 gmc r ànV{H\$ nVandarc AgUnar {dX`mWu g\$`m gZ 2000 gmc r ghm nOæZo AnU Cf ànV{H\$ nVandarc {dX`mWu g\$`m Vã~c MnXm nOæZo dntæ r {XgZ `mV`m U`lo {dÚnWuZrMo à_nU ànV{H\$ d Cf ànV{H\$ nVandarc AZM\$_o9 d 37 nOæZo dnt>Pmc rro cúmV `Vo

WnS`nV, ànV{H\$ emi nA`m g\$`nè`H\$ {dñVnam-m-V AnnU `eñdr Racno AnhnV, _wcm-`wctA`m nOZnKUrMo à_nU hr dntæ o Anho _wcnA`m _mZmZo _wctMo nOZnKUrMo à_nU AÈ`jèn Anho g_nVnZnMr Jni>áhUOo _wctA`m {ej Um-m-V OmVr hnd\$ cmlæ r {XgZ `mV Anho emi nYrc {ej H\$Mo à_nU hr dntæ o {XgV Anho AOZhr ' {hcm {ej H\$Mr g\$`m dntæ dÈ`ngnRæ gYr Anho ànV{H\$ {ej UngnRæ doldo i `m àH\$naA`m ZdZdrZ `nOZm am~{dè`m OmV AnhnV.

^naVnVrc {d{dY anA`nU`o ànV{H\$ {ej UnMm Ono {dñVna Pmc r Anho È`nMm {dMna AnnU H\$cm Jè`m nPng dñP AnnU ànV{H\$ {ej UnMr g`dYm gd`RHSUr H\$e\$ eH\$cm AnhnV. nU Varhr EH\$ ~m- cúmV `mV {H\$ AnOhr XemVrc gd`anA`nV 100%

n0ZnKUrMo H\$m_ AmU H\$e\$ eH\$ccm Znr. g\$`nE_H\$ {dnVranda Amco g_nYnZ Adc\$z Znr, Va A`ndi r d\$ df} 6 Vo 14 d`m0mVrc gdM {dUnWu emi W Xml c hmVrc, VoB`Imm 1 cr Vo8 dr n`VMo`anV_H\$ {ej U nU`KVrc. E`nA`mV`anV_H\$ {ej UnMr gd`C(0i` j _Vm_nRcm`_nUnV {dH\$gV Pmc`m {XgVrc. E`nM do r AmU AmcoC(0i``aV nbnMl`nMog_mYnZ _nZyeH\$.

AOZhr g`nAmV {ej Ung\$Yr Andr`H\$ Ver OnUrd {Z_nM Pmc`r Znr. Oar H\$hr {R\$Ur OnUrd {Z_nM Pmc`r {XgV Agcr, Var CXa{ZdnMogmYZ`ahUz`_vc- _vcMm Cn`m H0\$ngnR\$ H\$e\$Z KVcm On/mo gh0 ngo {i VmV`ahUz`chnZ`_co emi nEdOr hcH\$-`cH\$ H\$m_oH\$VmV d ngo{`i {dVmV. hm anDma ho_nR`acm`Z H0\$`_a`_i mcm d`_vcMm Anho`~a\$ H\$hr {R\$Ur {eH\$Zhr Znr`Awdm`i`dgm` {i V Znr dH\$dm AnUnV nEm {i V E`m`i o{ej UnMm`\$agm Cn`m Znr Aer`^mdZm g_nOm`U`o / g{ej Vn`U`o`_j Ye\$ cm`ccr Anho`ahUz` {ej Um`Oc XandnWmM A{YH\$ dmT`V Ag`nMoH\$hr`^mJr`U`o{Xgz`nVo

1.3 'hmani`an`nVrc`an`K`H\$ {ej UnMm{dH\$g :

gZ 1950-51 _Yrc`_hmani`nVrc {d`mJr`ej {UH\$ {dH\$ngmVr`_n{hVr Cnc`Y Anho E`na`_nUo`anV_H\$ {ej UnA`m`nVanda npiM`_hmani`nV 15,616 emi m hmi`m E`nV 20,39,744 {dUnWu; {dX`n` 4,152 emi n`Yz 3,99,777 {dUnWu AnU`_anR`dnS`cnV 2,655 emi n`Yz 1,67,800 {dUnWu AU`n`Z H\$arV`hmVo`m emi nA`m d {dUnWu g\$`ongz`AmU`anV_H\$ {ej UnAm {dnVna H\$E`ngnR\$`a`EZ H\$co`m`a`EZnMm n{hcm 0\$nm`ahUz` AmU 1950-1965 Agm H\$ncndYr V`na H\$ccm Anho`nMo H\$naU`ahUOo n{hcoH\$m, {d`mJr` {dH\$ngmM Ag_Vnc`Xa`H\$Uo d Xgao Ag_Vnc`Xa`H\$e\$Z EHS`g_nZ {dH\$ngnR\$`a`EZaV`anhUohmVo gZ 1950`ahUOo`ndnV`an`rMm H\$ni, Va gZ 1960 n`V {d`mJr` {dH\$ngnA`m Ag_Vnc`mJrc AgUn`m H\$naUnM emV`KDSZ, Vr H\$naUo`Xa`H\$e\$Z`g_Vnc`gmY`nMm H\$ncndYr hmi`. `m H\$ncndYrVM`ej {UH\$`AnH\$V`-Y`d`ej {UH\$`aengZnA`m EH\$g`rH\$UngnR\$`Saf`Oo nr. ZnBPS`nA`m AU`j`Vd`mcr`g_Vr`Zo`cr`Jcr`hmVr, Va 1961`Vo`1965`hm`H\$ncndYr`ahUOo`1962`gmc`r`cnH\$enr

{dH}DrH\$UrnA` m VIdnzgna ànV{H\$ {ej UnMm H\$na^na {Oëhm n[afXm d ZJann{cH\$m`
`nA` nH\$Sagmy/Hôccm H\$ncndYr hnò . EH\$XarV 1950 Vo1960 d 1961 Vo1965 Ago
Xnz ^mJ Z H\$Vm gnò rgnR\$ d _hrani>anA` nV Pncœr àJVr cj nV `ê` ngnR\$ VncZnê_H\$
AnH\$œmar cj nV Kê` ngnR\$ hm nZandcnb\$Z H\$ncndYr {ZpíMV Hôccm Anho

1.4 _hrani>anA` nVrc ànV{H\$ {ej UnMr JUnê_H\$ àJVr :

_hrani>anA` nV ànV{H\$ emi nMr g\$`nê_H\$ àJVr Pncœr Anho _wcm-_wctA` m
nOZnUrMoà_nUhr dntœcco{Xgz ¶V Anho EH\$XarV {ej Um-ôc g_nOnV OmVr Pncœr
Anho `nV AnZnMr ~m- àhUOo_wctMo{ej U, {deœ cú` JOœMo{ej U `m-m-VMr OmVr
àhUOo g_nO gMVZ Agè`nMm g~i nandnM _mZndm cnuœ. AnpMnfaH\$ {ej Um-ano-a
AZmMnfaH\$ {ej U d AêH\$ncrZ {ej U XUnar Hôdod `nOZm V`na hnV AnhV, am-{dè`m
OnV AnhV. encò dnVndaU A{Ve¶ CêgnhdYp\$ d emi m gd©gnò tZr `p\$ H\$aÊ`nV
H\$hr à_nUnV `e {i mco Anho àÊ`b\$ dnVrdnVrda emi m CKSÊ`nV `D\$Z VVo {H\$`nZ
Xnz {ej H\$Mr {Z`p\$ Hôccr Anho

_hrani>anA` nVrc emi nMo{M} {ZpíMVM nncœcco{Xgz ¶V Anho emi m gnen^V
d ^nêVH\$ gnyZnr `p\$ AnhV. emi Mo Hôdi ~mø ñdê\$M ~Xccœo Zgz encò
ì`dnWmnZ d AU`Z-AÜ`mnZ à{H\$ m _jè`_mnZ `nA`m_Ü`o Am_ycnu«~Xc Hôccm
{Xgz ¶Vno Anho AU`Zm_Ü`o ñd`\$ AU`Zncm _hîd {Xco OnV Agz AU`mnZnA`m
ZdZdrZ nŌVr d ZdZdrZ Vŷo{dH\$gV Hôcr OnV AnhV. j_VnY{ôV nnRœH\$_nMr `nê
nŌVrZo A&c~OmdUr Mncy Agz nnRœnñVHôhr È`nM nŌVrZo V`na Hôccr AnhV.
_jè`_mnZnV KOH\$ MnMUr, CnH\$ nV gh^mJ BÈ`nXtMm Aŷ^ne H\$eSZ Jwdînm {dH\$ng
gnyÊ¶nMm à`EZ gnê\$ Anho {ej H\$gnm dò nòlò r à{eúntU {Xco OnV Anho encò
ì`dnWmnZm Ü¶o g_nO d nncH\$ ¶nMm gh^mJ {i ndm àhUz {ej H\$ nncH\$, gK, _nVm-
nncH\$ gK `nMo ghH\$¶Kê¶nV ¶V Anho Ê¶nM à`nJo JndnV d à^mJnV {ej U g_Vr
ñWmnZ H\$eSZ Ê¶nM¶m _m\$V Jwdînm {dH\$ngmcm JVr Xê`nMo à¶EZ HôccœnV AnhV.

{ej UmÀ`m {dnVnam-ano-a JldTnm {dH\$ngnMo H\$m Àr Ono nZo Mncy Anho Á`m
{ej UmVrc KOH\$la JldTmhr AdcsZ AgVoÈ`m È`m KOH\$Mr àJVr H\$E`mMr _hIdnJ©
`nDZm am-{dE`mV Amccr Anho

`m `nDZAYJV ànV{H\$ {ej UmMm Aä`ngH\$, nnRçH\$ `mMr {dMnandP\$
nZaMzm H\$ccr Anho OZ 2006 nngyZ B`Tnm 1 cr d B`Tnm 5 dr `m dJmEYZ hm
Aä`ngH\$ am-{dcm OnUma Anho `mV j _VnY{OY nnRçH\$ nMm g_nclæ Anho Aä`ngH\$
d nnRçH\$ aMZV j _VnMr {ZpMvr H\$E`mV OnmVrV OnmV ànV{H\$ {ej H\$Zr gh^mJ
KVccm Anhod AOZhr gh^mJ KVccm OnV Anho ~XcÈ`m ñdê\$na_nJo nnRçmVH\$mMo
cd Z d {Z`Vr `mÜ`br ZdmH\$erc d AZdr {ej H\$Zr gh^mJ KVccm Anho `nê
emc` dmVndaU {Z`Vrgnr\$ emi V B_mVr, H\$S\$U Aem ^nVH\$ g(dYnA`m {Z`Vr d
gven^ZnH\$Sø {def cj Xê`mV `V Anho _wco emi V a_ndrV àhUyZ AnZXXm r {ej U
nÖVrMm Adcs, AÜ`Z-AÜ`mZngnr\$ ^ana d `nê gr(hÈ` d g(dYm n{dÈ`mV `V
Anhv. {ej H\$A`m ZdmH\$ercVcm MncZm Xê`mgnr\$ {ej H\$Zm àaUm Xê`mgnr\$ {d(dY
`nDZm dol dol`m ñVanla am-{dè`m OnV Anhv. H\$Vr g`nYZ, ZdrZ AÜ`mZ nÖVr `mM
Cn`mJ gdmnd`d gdmVJV {ej H\$A`m à{ej UmÜ`o H\$cm OnV Anho AÜ`Zm-ano-a
CnMmanÈ`H\$ {ej UmMm Cn`mhr H\$E`mH\$Søcj n{dcoOnV Anho g_nOnVrc gd`WanVrc
i`°\$Zm XOXna {ej U {i nclæàhUyZ Ono nZoAWH\$ à`EZ MncyAnhv.

`m gdmMm hVy H\$di {ej UmMm àMna d àgna Znhr, Va JldnÈ`H\$ àJVr gmYUo
Agm Anho

gd`{ej U `nDZoÜ`oÁ`m _Unla ^a Xê`mV Amccm Anho È`mV "JldTnla ^a'
hnr EH\$ _Om Anho {dUmí`nA`m gdmrU {dH\$ngnngnr\$ {d(dY ñnYmKê`mV `V Anhv.
H\$hr ñnYnÈ`H\$ narj nhr KVè`m OnmV. JldmZ {dUmWu emYZ È`nA`m {ej UmMr dol i r
i`dnWm H\$E`mV Amccr Anho {eî`dVnr narj m KVcr OnVo `mV ehar ^mJnBVH\$M
I S`mVrc {dUmWu gh^mJr hnmV ho cúnmV Kê`mgnal o Anho `m{edmì {d(dY àgna
_nÜ`_o AZH\$ ñd`gdr gWm`nA`mV\$ ñnYmPd narj m KVè`m OnmV, `m gdmMm n[aUm_

áhUOo {dÚmí` nÁ` m Ræi r AgUnè` m JUnM/m emV Kv/m ` Vno d È` nÁ` m JUnM/m {dH\$nghr gmV/m ` Vno

àm Ana. EM. Xdo ` nÁ` m ZVÉdmI mcr Zo_cè` m H\$' O:Á` m gMZnè` nJo gd© {dÚmí` nZm ànV{ H\$ {ej U XO}na {_i nclóáhUz {H\$ nZ AU` ` Z j _Vm Ra{dÈ` nV Anè` m `m j _Vm È` m È` m KOH\$Vrc _XÚnMr àJVrMr nnVi r Xml {dVmV, ` nZm "AU` ` Z nnVi r' Agog\$ nV/mV.

1.5 {OèømVrc ànV{ H\$ {ej UnMr JUnM_H\$ àJVr :

_hrami>anÁ` m àÈ` t\$ {OèømMm {dMna H\$aVm emi nMr g\$` m dmtæccr {Xgz` qV Anho "dnVr VVoemi m hr H\$ènZm àÈ` j nV AnUccr Anho d` df}6 Vo14 d` mOxVrc 15 Vo 20 {dÚmí` ngnRæ` ñdV} emi m àÈ` t\$ dnVrda gè\$ H\$aÈ` nV Amcr Anho `m emi dahr "à{ej V {ej H\$" e\$` Vno Zo_nclm Agm {Z`_hr H\$ccm Anho AWn\$ H\$hr {OèømVrc ^mJnóCH\$ n[apnVWrà` nJo AOZhr emi nÁ` m g\$` qd Úqo dmt> hne` qnMr Andí` H\$m Anho

hogd{OèømVrc àÈ` t\$ emi VZ KSædo àÈ` t\$ emi m hr XO}na ànV{ H\$ {ej U XUnao H\$È` ìhndó` nH\$aVm àÈ` t\$ {OèømV "emi m gVna ` nDZm am-{dcr OnVo `m ` nDZà` nJo {ej Uì` dnVW "emi m hM {ej UnMo à`_v ñWnZ _nZco Anho XO}na {ej U XD\$ BpANUnar emi m ñdV... JUnMz Agnd` ng hdr. áhUz emi V gVV {Za{Zami o CnH\$_ MncyanhÈ` mcm_hîd Anho CÈH\$` VÁ` m Odi OnÈ` nMm à` ÈZ gVV H\$arV anhoUoho_hîdnMo Anho CÈH\$` VMr dnOMmc hr gdnÁ` m à` ÈZnMm ^mJ Anho honmì m^v {dMna emi m gVna ` nDZV Anhv. emi V CnH\$` erc d AÉ` qV {H\$ merc {ej H\$Mr Andí` qH\$m Anho VgM Cîm d XO}na {eúnU XUnè` qm {eúnH\$Mr JaO Anho

emi nMr dnOMmc CÈH\$` VáV gH\$aVzo ìhndr, áhUz `m emi m gVna ` nDZnVJ\$ àÈ` t\$ emi cm Andí` H\$ Vr gmYZo Mn\$è` m àVrMognhÈ` na{dco Jccco Anho emi À` m {dÚmí` nÁ` m g_nOnÁ` m JaOnZyoma Aem KOH\$Mm {dMna H\$aSZ emi m gVna ` nDZm à` ÈZ H\$aVo `m ` nDZà` nJo àÈ` t\$ emi o_Ü` o JndmVrc cnbH\$m AWn\$ g_nOnMm gh^mJ dmtædm, nncH\$m {ej Um-ÔcMm gùn nê N{i:H\$nz {dH\$gV ìhndm {ej UnMr C{ÔiægnÜ`

hñî`ngnr& g_nOnMm d nncH\$Mm gh^mJ A{YH\$ {i dndm hr Anj m RøjZ `nDZm
H\$m ñVdV H\$ccr Anho `m `nDZà_nUo emi À`m ^ñVH\$ JaOm qH\$dm {d{dY g_ñ`m
gn&{dÉ`ngnr& g_nOnMm gh^mJ {i dZ JwDÎmm dnt&gnR&Mo à`EZ H\$andV. emi m d
g_nO EH\$Î `D\$Z JwDÎmm {dH\$ng gmYUohnM nm m^V/ {dMna `m `nDZó ÚÏlo Anho ànV{H\$
{ej UmMm JwDÎ_H\$ {dH\$ng ìhndm àhUÏ {Oëøm-{Oëøm_YÏ {def à`EZ Mncy AnhV.
`mV emi m gYma `nDZm AnnU nñ{hr. `m `nDZMm \ñi Xm Agm Pmcm H\$, ànV{H\$
emi Mo EH\$X[aV {MÎM -Xcco encò n[aga ñdÀN\m, dJnñr aMZm `m_ï o emi m
AnH\$F\$ dnoy cmè`m {d{dY CnH\$_ñ_ï o emi ñ_Ü`o MVZm {Z_nË Pmcr. dnVndaU CËgnhr
d AnZ&Xmî r ~Zco emi ñ_ÜÏlo ì`{°\$Îd {dH\$ng {e{~anMo Am nDZ H\$eSZ {dÚmî`nMm
gdñËU {dH\$ng gmYcm OnVno `m ÙÏlo ì`{°\$Îd {dH\$ng {e~ra, N&dJ, ànVZm, XZ&XZ
ànVZm, `m_ñgZp {d{dY ñnYmË g_nOgdcm `ñ/m g_ndæ Anho Aer {e{~ao ñd`gdr
g\$Wm m \$Vhr Amñ{OV H\$aÉñmV ñVnV.

{d{dY `nDZm d ^ard CnH\$_`mVZ JwDÎmm {dH\$ng H\$aÉñmMo à`EZ Mncy AnhV.
emi V Z{dZ B'maV\$ gnò r g{dYm, ZdZdrV V\$knZ, AÜÏÏZ AÜÏmZngnr& ej {UH\$
gm{hÈ` , g_Ë Jwnc, `ñ`m On&cm {ej H\$gnR&hr ZdZ{dZ CnH\$_ am-{dcoOnV AnhV.
ànV{H\$ d 'nÜÏ{H\$ ñVandarc {ej H\$ñ`m gdmñd`d gdñVJ à{ej UmV VgM
AäñmgH\$' nV A'ycm«~Xc H\$cco AnhV. hr à{ej Uo A{YH V\$knZÏP\$ \$ ìhndrV àhUÏ
È`nMo ÙÏlo A'ycm«~Xc H\$ccm Anho {ej H\$ñ_Ü`o H\$m ËdrUVm `ndr `nH\$aVm
Aä`ngH\$, j_Vm `m-an-arc {ej H\$ñMo gdñËU ì`{°\$Îd {dH\$gV ìhndm ñngnr&hr
à`EZ H\$aÉñmV ñV AnhV. `m_Ü`o {ej H\$ñH\$aVm JwDÎmm {dH\$gZ ñnYmË ZdrnH\$_erc
{eúnH\$ ñnYmË V\$knZÏP\$ ej {UH\$ gm{hÈ` {Z_Ïr, AnKe`{ej H\$ nññH\$na, ({Oëhm,
{d^mJ, anÁ` d Xe nmVi rda)Aem àH\$naÀñm {d{dY ñnYmMo Am nDZ H\$eSZ, VgM {d{dY
CnH\$_ñMo Am nDZ H\$eSZ {ej H\$ñ_Ü`o AnZ&Xmñr d CËgnhdY\$ dnVndaU {Z_nË H\$aÉ`nMo
H\$m_nU A{daVnUoMncyAgVo

Aem àH\$nao EH\$XarV {Oëhm nmVi rdarc ho gd° à`EZ {ZpîMVnUo JwDÎmm
{dH\$nggnR& d àJVrgnr& n[amr H\$naH\$ Racco AnhV, emi À`m JwDÎ`H \$aJVr' ÙÏlo

emi Mr {eumUnAqm NiZzo AZMJC Ago ej {UH\$ dnVndaU, ^nqVH\$ gnr g(dYm {dUmil`nMr n0ZnKUr d XZSXZ CnprWVr, {eumH\$Mm AU`mnZ XOnf AU`ZngnR\$ {dUmil`nZm {i Umo _wXeZ, Jm{ej U gL_Vr, nVnqZH\$ {d(dY gm_n(OH\$ g\$Wm, {ej H\$-nmCH\$ gK, VgM _nVn-nmCH\$ gK hoKQh hr 'Sna\$ _hIdnMr ^f_H\$ ~OndVnV. qH\$-hZm, `m aE` b\$ KQH\$Mo d{eif0ε Antho `m gdnA`m gw n6 Jk\$UrVZ emi Mr JwdTmm dnt>d {dH\$ng gmYUoghO e³q hnv AgVo

_hrani> anAqengZnZo `m KQH\$Mm gl mc {dMna H\$eSZ "encò JwdTmm {ZYn@U gmYZ' {dH\$gV H\$cod hogmYZ dmeSZ, àm nqUH\$ VEdnda _hrani>anAqmVrc gnV {ej U {d^wlm YZ gmV {Oehqnmr {ZdS>H\$cr `m gmV {Oeøng Yrc Odi Odi 80 emi nq YZ ho JwdTmm {ZYn@U gmYZ dmaE`nV Amco qm YZ Ancèqm AZw dnvZ `m "JwdTmm {ZYn@U gmYZn\$ _Ü`oH\$hr AndíqH\$ gwmaUnhr H\$aE`nV Anè`m

"ej {UH\$ JwdTmm {ZYn@Um gnR\$ àW_ _w`nÜ`mnH\$, H\$D à_wl , {dnVna A{YH\$nar ({ej U) `m gdnZm anA`, {Oehm d Vmch\$nm nmVi rda à{ej U XE`nV Amco `nH\$aVm "encò JwdTmm {ZYn@U' nprVH\$hr XE`nV Ancr. `m à{ej UnV encò JwdTmm {ZYn@UnMr Cn`p\$Vm, gmYZnMo ndê\$n, emi Mr JwdTmm {ZYn@U H\$aUo `nvZ cj nV Ancè`m I0ε OmUJ KDZ E`nMo {ZanH\$aU H\$aE`ngnR\$ {Za{Zami qm ej {UH\$ H\$ni P\$ _nMr Am Ur H\$aUo`n(df`r g{dnVa _n(hVr XE`nV Ancr.

`m {ZYn@U gmYZn\$ Üqlo g'nO, emi m, {ej H\$ d {dUmil`u `m Mna _hIdnA`m KQH\$Mm g_nde H\$cm `nV edQMoVrZ KQH\$ gai JwdTmer g\$-SYV AnhV, Va g_nO hm KQH\$ JwdTmm {dH\$ngnR\$ nqH KQH\$ Antho `m Mna KQH\$Mm {dMna H\$eSZ EH\$XarV ghm KQH\$Mm g_nde {ZYn@U gmYZn\$ `m à`EznV H\$aE`nV Ancm `m ghm KQH\$Zm {i y EH\$U 100 Jw XE`nV Amco `m 100 JwmV "AU`mnZnMm XOnf`ngnR\$ 25 Jw, "{dUmil`nMr g\$nmXUyH\$`ngnR\$ 60 Jw Va "emi Mr àVdmar'. qmgnR\$ 5 Jw, "n0ZnKUr d CnprWVr' qmgnR\$ 5 Jw d "g_nOnA`m gh^wncm 5 Jw Aer Jw {d^wUr H\$aE`nmV Ancr

eum(UH\$ df) 2004-05 nngyZ hm H\$ni P\$ _ A\$ cnV AnUcm `nVrc 11

{OëøñVrc gmYmaU 18 hOma emi nMlo Ahdmc àná Pmcco AnhñV. `m AhdmcñMlo { ' i mcco {ZiH\$F©A{Ve¶} ~ncHò AnhñV. EH\$XarV 100 JwññH\$ { i mce`m Jwññ_nUo emi nZm IÙr Xñ`nV Amcr. È`m IÙrà_nUoAhdmc Odi Odi 18 hOma àná emi nZ_Ù`o gmYmaU 22 Q_ó emi nZm "A" IÙr,71 Q_ó emi nZm "~" IÙr An(U Cd¶aV 7 Q_ó emi nZm "H\$", "S",d "B" IÙr { ' i mcr.

(gK^©. OrdZ {ej U, 'm(gH\$-{Sç}a, 2005, _hmani>anÁ` ej {UH\$ gñmYZ d à{ej U n[afX, _hmani> nUo)

`m Jwññ{ZYñU gmYZñ¶}m ghmc¶mzo '\$\$ emi nZm IÙr Xññhm CÔe ZihVm d Zñhr, Va EH\$U gd©gmYZm Yrc ghm KOH\$ññH\$ HñUÈ`m KOH\$ññ Ù¶toH\$_r Jw àná Pmcco AnhñV, ho H\$ì z KDZ È`m _mrc H\$ññm¶m Aä`ng H\$èZ, È`m IÙr Xñ H\$è`ngñR\$ à`EZññr {eH\$ñV H\$ñUo {d{dY emcò CnH\$_ An(U {d{dY H\$ññ P\$_ am-{dUoJñrV Yaccc Anhñ

EH\$XarV _hmani> anÁ¶mVrc {OëøñV ànV{H\$ {d^mñA`m eñmUH\$ Jwññm dñññgnR\$Mo à`EZ _j Yê\$ cmJcco AnhñV. ànV{H\$ {ej UnA`m {dñVñam-ano-am AnnU ànV{H\$ {eññU {d^mñA`m Jwññm {dH\$gnA`m Ù`ò mZoXd rc à¶aV Pmccno AnhñV d È`ngñR\$ A{daV à`EZerchr AnhñV.

_hmani> anÁ¶mVrc àE¶ññ\$ {OëøñV ànV{H\$ {ej UnA`m Jwññ`H\$ àJVrMo C{Xì:è gnù` H\$è`nMr EH\$ {OÔ {Z_nU Pmccr {XgVo `ngñR\$ {Za{Zanù`m {Oëhm n[afXm, {ej U {d^m}, àengH\$¶ A{YH\$ñar, {ej H\$, VgM AZññ Jm_nW '\$ì r `m gdmZr { i z Mññco à`EZ gñ\$ HócccoAgë¶mMocúmV ¶ñvo

1.6 H\$V¶ññ\$ AÜ¶¶Z nÕVrMo(ABL) ñdêñ :

B¶ññm 1 cr Vo 4 Wr À¶m dJññrc {dÚmí¶ññgnR\$ H\$V¶ññ\$ AÜ¶¶Z nÕVr hr A{Ve¶} Zñ{dY¶ññU}©, 'ZmñH\$ An(U dJññrc H\$VtZm MncZm XÙñar Aer nÕVr Anhñ H\$V¶ññ\$ AÜ¶¶Z nÕVr`ññ d¶ññ{H\$ññ nñvi rda ^a {Xcm OmVmo àhUz Vr AË¶ñ 'ññ¶Xera nÕVr Anhñ chñz `ñññgnR\$ d '{V'X `ñññgnR\$gññXm hr EH\$ A{Ve¶} Cn¶ññ\$ nÕVr Anhñ

የገጠሞችን የምርመራ ማድረግ ለገጠሞች ማህበረሰብ ለማስፈጸም አስፈሪ ማድረግ ይኖራል። የወጣቶችን ጥናት ለማቆም ለመሆን የገጠሞች ማህበረሰብ ለመሆን አስፈሪ ማድረግ ይኖራል። የወጣቶችን ጥናት ለማቆም ለመሆን የገጠሞች ማህበረሰብ ለመሆን አስፈሪ ማድረግ ይኖራል።

በግንባታው ላይ ለሚገኙ ጉዳዮች ለመፍታት ማህበረሰቡ ለማስፈጸም ለመሆን አስፈሪ ማድረግ ይኖራል። የወጣቶችን ጥናት ለማቆም ለመሆን የገጠሞች ማህበረሰብ ለመሆን አስፈሪ ማድረግ ይኖራል። የወጣቶችን ጥናት ለማቆም ለመሆን የገጠሞች ማህበረሰብ ለመሆን አስፈሪ ማድረግ ይኖራል።

1.6.1 የገጠሞች ማህበረሰብ ለመሆን (ABL) ገቢ :

According to Dhand (1995), "Child centred educational aids to foster self learning and allows a child to study according to his/her aptitude and skill. Activities in each milestone include games, rhymes, drawing and songs to teach a letter of a word, or understand a concept."

1.6.2 የገጠሞች ማህበረሰብ ለመሆን (ABL) ደንብ:

1. የገጠሞች ማህበረሰብ ለመሆን ደንብ ለመዘጋጀት ማድረግ ለመሆን አስፈሪ ማድረግ ይኖራል።
2. ABL ለማስፈጸም ለመሆን ለመሆን አስፈሪ ማድረግ ይኖራል።
3. የገጠሞች ማህበረሰብ ለመሆን ለመሆን አስፈሪ ማድረግ ይኖራል።

1.7 ገጠሞች ለመሆን ለመሆን (ABL) ደንብ :

ለገጠሞች ለመሆን ለመሆን አስፈሪ ማድረግ ይኖራል። የወጣቶችን ጥናት ለማቆም ለመሆን የገጠሞች ማህበረሰብ ለመሆን አስፈሪ ማድረግ ይኖራል። የወጣቶችን ጥናት ለማቆም ለመሆን የገጠሞች ማህበረሰብ ለመሆን አስፈሪ ማድረግ ይኖራል።

n[an1\$ Aä¶mgH\$ nMr {Z' ¶r RaVo 'hrami> an¶¶mMr nWmnZÄ¶¶m dö r Zwnq, np1M' 'hrami>d 'anRælnS¶¶¶¶ ¶¶m VrZ {d^wlv {Za{Zami ¶¶m àH\$naMo Aä¶¶mgH\$' gæ\$ hnlvo Æ¶¶mMo EH\$gürH\$U H\$e\$Z, Æ¶¶mMr C¶¶r dmtæZ, emór¶¶¶ nÖVrZo ànW{ 'H\$ {ej U Aä¶¶mgH\$' 1968 hm V¶¶ma H\$æ¶¶mV Ancm ¶¶m Aä¶¶mgH\$ n¶¶¶¶m EH\$U Xhm 'w^v C{Öiæ¶¶H\$ àW' C{Öi> ho {ej Un{df¶¶r AndS> {Z' n¶¶ hnd\$Z AU¶¶¶¶Zn¶¶¶¶m n¶¶¶¶¶¶¶¶ gmvZn¶¶¶a n¶¶¶¶o à^¶¶d g¶¶mKZ H\$Vm ¶¶¶¶doAgohnlvo

ànMrZ H\$ni mnngZ {ej U à{H\$¶¶m {dMna H\$cm AgVm {ej U H\$¶¶¶r ¿¶¶¶do? H\$¶¶¶Vo{ej U ¿¶¶¶do? hogd©Jæ\$, {ej H\$, {dÚmnr>d engZ ¶¶m KÖH\$¶¶r {Zp1MV H\$co H\$Yr 'wcmcm 'nVrMo ^n\$æ g' Oco Jco Va H\$Yr Æ¶¶m 'nVr¶¶¶m Jn¶¶¶¶mcm AnH\$na Ú¶¶¶¶m à¶¶¶EZ H\$cm Jcm na¶¶¶¶¶¶m gdm Ù¶¶¶o H\$Vn¶¶¶H\$æ{dVm hm {ej H\$ j 'Vn¶¶¶{ö¶¶ ànW{ 'H\$ {ej U Aä¶¶mgH\$' 1995 Zg¶¶a B¶¶¶¶m 1 cr Vo5 dr¶¶¶¶m {dÚm¶¶¶¶¶¶¶¶ 'n¶¶¶¶¶¶¶¶ J{UV d n[aga Aä¶¶mg ¶¶m {df¶¶¶¶¶¶¶¶ I ¶¶r-Ö 'n\$¶¶r AgUn¶¶¶¶m {H\$' nZ AU¶¶¶¶Z j 'Vm {Zp1MV H\$æ¶¶m hnl¶¶m d Æ¶¶m {dH\$gV H\$æ¶¶mMr O-m-Xmar A¶¶¶¶¶m {ej H\$¶¶¶a Ancr. ¶¶m gd©à¶¶¶EZnV AU¶¶¶ Zm¶¶ m AU¶¶¶mZ 'h¶¶dnlMo' nZcoJco

nM{cV {ej U nÖVrV AU¶¶¶mH\$ hm d°¶¶m d AU¶¶¶¶ZH\$Vn¶¶¶' m¶¶ {Zp1H\$¶¶ AgVno {dÚm¶¶¶¶¶¶¶¶ H\$Vr hnlV Zgæ¶¶mZo qH\$dm {dÚm¶¶¶¶¶¶¶¶ Or H\$Vr H\$e\$Z K¶¶cr OnV¶¶ Vr AU¶¶¶¶Zm¶¶¶¶¶ n¶¶¶r Zgæ¶¶mZo{dÚm¶¶¶¶¶¶¶¶AU¶¶¶¶Z n[aUm¶¶ H\$naH\$ hnlV Znhr. Æ¶¶m¶¶¶¶¶ H\$Vr¶¶¶¶m 'n¶¶¶' nVZ {dÚm¶¶¶¶¶¶¶¶ {eH\$ndo Agm AmJh Yacm Va AU¶¶¶¶Z n[aUm¶¶ H\$naH\$ hnl¶¶e. ¶¶m {dMnanda H\$¶¶¶¶¶\$ AU¶¶¶¶Z nÖVr (ABL) AYnaccr Anho ¶¶m nÖVrgno-VM Ann¶¶¶¶¶¶¶¶c n¶¶¶Mr EH\$ {ej H\$ emi m, ~h¶¶J©AU¶¶¶mZ V¶¶¶ ¶¶¶¶¶hr {dMna H\$e\$Z n¶¶¶o {Oëø¶¶ hr nÖV à¶¶¶¶¶H\$ V¶¶dnda {dH\$gV H\$æ¶¶mV Ancr Anho {ej U h.\$ H\$¶¶¶¶¶¶¶¶m Ù¶¶¶¶¶ Yn¶¶¶¶m g¶¶¶¶V Aer hr H\$¶¶¶¶¶\$ AU¶¶¶¶Z nÖVr Anho à¶¶¶j gmvÆ¶¶¶¶¶ gdH\$¶¶ '¶¶¶' mnZ nÖVr¶¶¶¶¶¶¶¶ n¶¶¶¶¶... d¶¶¶a H\$cm Anho AU¶¶¶mH\$ d² AU¶¶¶¶ZH\$Vn¶¶¶¶¶m Xn¶¶¶¶¶hr hr nÖVr Cn¶¶¶¶\$ RaUmar Anho H\$¶¶¶¶¶\$ AU¶¶¶¶Z nÖVr¶¶¶¶ Adc\$ H\$æ¶¶m¶¶ {dÚm¶¶¶¶¶m {eH\$æ¶¶mMr AndS> {Z' n¶¶ hnl¶¶e d Æ¶¶m¶¶ CÆg¶¶h dmtæc àhU¶¶M ej {UH\$

Ju d'inn dnt'Àqim N'izZo H\$Vq'P\$ AUq'qZ nÖVr (ABL) hr Z, \$M {XenXeP\$ Cnrfi Rac
Aer Aem dnöVo

gñjP© XemV ~mCH\$Àqim ' no \$V d g°\$Àqim {ej UnMm h, \$ A{Y{Zq' 2009 {XZnH\$
1 E{àc 2010 nngZ A\$ c~OndUr H\$E'qimV Ancr. ÈqimZyga nÈq'ib\$ ~mCH\$ncm ' no \$V d
g°\$Mo{ej U Xñq'nmr O~m~Xnar engZnda Xñq'nmV Ancr Anho
gñmYH\$ncm {ej U à{H\$g ' maH\$ Agcèqim ~m~r I mrcà' nJoOmUdèqim

1. dJn' AUq'qZ AUq'nmZ à{H\$gV {ej H\$Mm à^nd OmñV AgVno
2. ej {UH\$ gm(hÈq'nmM dma ' \$MV H\$cm OmVno
3. AUq'nmZ à{H\$gV AZH\$Xm i'qim»qimZ nÖVrMm dma H\$cm OmVno
4. nnR\$yanda ^a {Xcm OmVno
5. {ej H\$Àqim ' ZnV ' cm gd©g' OVo d ' vcnZm H\$hrM g' OV Znhr Agm g' O
Pncm AgVno
6. EH\$m dJn'rc gd©{dUm'qimM AUq'nmZmM dñ d q'epñdVm nmV i r g' mZ Anho
AgoJ'hV YacoOmVo
7. {dUm'qim JähOa Agèqim ÈqimM ~mccm AäqimH\$' ^êZ H\$mÈq'nmr g(dYm
CncäY Znhr.
8. 'èq' nmZngnR\$ nmañnaH\$ nÖVrMm Adc\$ H\$cm OmVno
9. AUq'nmZ à{H\$gV AnZ\$ r, hgVI ò V dnVndaUmM A^nd AgVno
10. {dUm'qimZm ñd-AUq'qZng H\$' rV H\$' r g\$'r { ' i Vo
11. '\$\$ efm(UH\$ dfn)/rc AäqimH\$' nJ©H\$E'qimM {dMra {XgZ q'ib/no
12. dJn' ej {UH\$ gm'q' g(dYmM A^nd AgVno
13. AUq'qZ AUq'nmZ à{H\$gV ' P\$ dnVndaUmM A^nd AgVno

VgM {XZnE\$ 15 OnZolmar 2014 anOr "àW' ' gšWZo nH\$eV Hšcšqim Annual Status of Education Report (Rural) 2013 (ASER) VnngUr Ahdncnzgna

1. Bqĩm {VgarÀqm {dUmĩqimZm XnZ Ašs\$ gšqimVr dOm-nH\$ HšVm qmV Znhr.
2. Bqĩm XgarÀqm ' \$°\$ 16.09 0>š {dUmĩqimZm ' nVƒmfModnMZ HšVm qmVo
3. Bqĩm {VgarÀqm 5.1 0>š {dUmĩqimZm 1 Vo9 Ašs\$ Xd rc Anĩ I Vm qmV ZnhrV.

āhUž gšmVHšZo ' anRš d J{UV qim XnZ {dfqimVr {ZdS> gšmVZmgnRš Hšccr Anhó

1.8 gšmVZmŁerfRš :

nWš{Ošhm n{afXAqm ànW{ ' H\$ emi Vrc HšVqimRš AšqimZ nŌVrMm ' anRš d J{UV {dfqimVr gšmKZndarc n{aUm HšmHšVMm Ašqim.

1.9 gšmVZ g' nqim{dYnZ :

nWš{OššmVrc ^m VncšqimVrc Bqĩm XgarÀqm {Ošhm n{afX emi Vrc HšVqimRš AšqimZ nŌVrMm ' anRš d J{UV {dfqimVr gšmKZndarc n{aUm HšmHšVMm Ašqim.

1.10 gšmVZnŠ ' H\$ iqimšqim:

ànW{ ' H\$ emi m:

- A) A School of corresponding grade ranking between secondary school and pre primary. (Dictionary.com)
- ~) A primary school is an education institute where that first schooling takes place.

HšVqimRš AšqimZ (A.B.L.) :

ABL describes a range of pedagogical approaches to teaching. Its core premise includes the requirement that learning should be based on doing some experiments and activities. The idea ABL is routed the common nation that children are active learners than passive recipients of information. If child is provided the opportunity to explore by their own and provided an optimum learning environment. Then the learning becomes joyful and long lasting.

2. H\$Vr`\$ AU`Z nO`VrMm dma H\$U`m nUo{Oe`mVrc ^na Vmrc`mVrc {Oehm n[afX`m emi Vrc B`m X`gar`m {dU`m`m`m J{UV {df`m`m`m g`mXZnda hndnao n[aUm VnngUo

3. H\$Vr`\$ AU`Z nO`Vr am-{dUmo{ej H\$ d ' `m`m`m H\$ `m`m`m ' VoOmUz Kbo

1.13 g`mZnMr J`mVH\$:

1. dJm` ~m`z qH\$dm dnmZ Xmi {dUo` mng m ""H\$eZ {eH\$Uo' hr {eH\$`m`m`m gdm` à^ndr nUXV Anho (a' e nmZgo 2016 à.H\$. 59)

2. H\$Vr`\$ AU` `Z nO`Vr hr AU` `Znda A{YH\$ n[aUm_H\$mH\$VZoà^ndr nnd\$Vo
(H\$Vr`\$ AU`Z nUXVr {ej H\$ à{ej U n`mVH\$m 2012, n`H\$. 11)

1.14 g`mZ n[aH\$`mZm:

H1. nma`m[aH\$ nO`VrZo {eH\$U`m`m {dU`m`m`m`m _anR\$ {df`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrA`m _U` _mZmV \ \$aH\$ AmT`z `Vno

H2. nma`m[aH\$ nO`VrZo {eH\$U`m`m {dU`m`m`m`m J{UV {df`m`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrA`m _U` _mZmV \ \$aH\$ AmT`z `Vno

H3. H\$Vr`\$ AU` `Z nO`VrZo {eH\$U`m`m {dU`m`m`m`m _anR\$ {df`m`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrA`m _U` _mZmV \ \$aH\$ AmT`z `Vno

H4. H\$Vr`\$ AU` `Z nO`VrZo {eH\$U`m`m {dU`m`m`m`m J{UV {df`m`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrA`m _U` _mZmV \ \$aH\$ AmT`z `Vno

H5. nma`m[aH\$ An(U H\$Vr`\$ AU` `Z nO`VrZo {eH\$U`m`m {dU`m`m`m`m _anR\$ {df`m`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrVrc \ \$aH\$`m`m`m _U` _mZmV \ \$aH\$ AmT`z `Vno

H6. nma`m[aH\$ An(U H\$Vr`\$ AU` `Z nO`VrZo {eH\$U`m`m {dU`m`m`m`m J{UV {df`m`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrVrc \ \$aH\$`m`m`m _U` _mZmV \ \$aH\$ AmT`z `Vno

1.15 e`m n[aH\$`mZm:

H01. nma`m[aH\$ nO`VrZo {eH\$U`m`m {dU`m`m`m`m _anR\$ {df`m`m`m`m g`mXZnA`m n`m`m`m`m An(U CÎna MnMUrA`m _U` _mZmV cj Ur` \ \$aH\$ AmT`z `V Znr.

- H02. nnañm[aH\$ nÕVrZo{eH\$Unè`m {dÚmí`nÀ`m J{UV {df`nÀ`m gñmXZnÀ`m npl©AnfU CÎna MnMUrÀ`m_Ü`_mZmV cj Ur` \ \$H\$ AmT: ÿ `W Znr.
- H03. H\$Vr`W\$ AÜ` `Z nÕVrZo{eH\$Unè`m {dÚmí`nÀ`m _anR: {df`nÀ`m gñmXZnÀ`m npl© AnfU CÎna MnMUrÀ`m_Ü`_mZmV cj Ur` \ \$H\$ AmT: ÿ `W Znr.
- H04. H\$Vr`W\$ AÜ` `Z nÕVrZo{eH\$Unè`m {dÚmí`nÀ`m J{UV {df`nÀ`m gñmXZnÀ`m npl© AnfU CÎna MnMUrÀ`m_Ü`_mZmV cj Ur` \ \$H\$ AmT: ÿ `W Znr.
- H05. nnañm[aH\$ AnfU H\$Vr`W\$ AÜ` `Z nÕVrZo{eH\$Unè`m {dÚmí`nÀ`m _anR: {df`nÀ`m gñmXZnÀ`m npl© AnfU CÎna MnMUrVrc \ \$H\$A`m _Ü`_mZmV cj Ur` \ \$H\$ AmT: ÿ `W Znr.
- H06. nnañm[aH\$ AnfU H\$Vr`W\$ AÜ` `Z nÕVrZo{eH\$Unè`m {dÚmí`nÀ`m J{UV {df`nÀ`m gñmXZnÀ`m npl© AnfU CÎna MnMUrVrc \ \$H\$A`m _Ü`_mZmV cj Ur` \ \$H\$ AmT: ÿ `W Znr.

1.16 gñmYZnMr ìñmár :

1. gXa gñmYZ Jm rU ^mJmVrb Bññm XgarAñm AÜñmZmer {ZJS:V Anho
2. àñVW gñmYZ ^m VmçñmVrc Bññm XgarAñm 'anR: d J{UV {dfñmer {ZJS:V Anho

1.17 gñmYZnñm[a'ñm:

àñVW gñmYZnñmVrc {díçfU ho{dÚmWu MnMUr AnfU {ej H\$ d 'ñññmH\$ññm àíZndcrVrc à{VgnXñla AmYnarV Anho

1. gXa gñmYZ '\$\$ H\$VñW\$ AÜññZ nÕVrUao {eH\$Unèñm {dÚmíñnda hññññm n[aUmñññm AäññgnñVon[a'ñññV Anho
2. gXa gñmYZ hoññ {OëññVrc ^m VmçñññVrc àññ{ H\$ emiñññVo n[a'ñññV Anho
3. àñVW gñmYZ hoññ {UH\$ df©2014-15 ññ H\$ññndYrV {eH\$Unèñm {dÚmíññññVo n[a'ñññV Anho

30 hnr Aem HXVqV AUqVZ nUXVrZo AUqVZ H\$UneVm d nnaqnaH\$ nUXVrZo AUqVZ H\$UneVm (ABL d Non-ABL) emi nr {ZdS>H\$cr.

1.23 gēnVZnlog\$ qmemórV V\$:

1. eH\$Salmar
2. 'Üq' mZ
3. ghg\$Y JWH\$
4. Qx- JWH\$
5. nr- JWH\$

1.24 g'ram :

añVW àH\$UmV gēnVZ {dfqVmr Anò I H\$eZ XvnmZm àW' ^naVmVrc ànV{' H\$ {ej U, 'hmani> anAqVmrVrc ànV{' H\$ {ej UnMr gUpñWVr qVmr 'm(hVr XDSZ HXVqV AUqVZ nÕVrMoñde\$ nW\$ qVnV ñni>H\$coAnho

ànV{' H\$ {ej UnMr gUpñWVr {dMmanV KD\$Z añVW gēnVZnMr JaO d 'hîd gmJVcoAnho gēnVZ g' nqVmo {dYmZ, gH\$enZnE' H\$ d H\$mqV H\$ iqV>qV gēnVZnMr C{Ôiq JfhVH\$, n[aH\$enZm, iqVmar, 'qVnRm, n[a' qVnRm, H\$mqVÕVr, OZg\$ qV, Z' vZm {ZdS>d g\$ qmemórV V\$ oqVn-m-VMr gēnVZnAqVn nmqVnZygn 'm(hVr {Xcr Anho

darc gd© ~m-tMr nVqV H\$E qVnR\$ d gēnVZn cm nqH\$ AgUmar 'm(hVr {' i {dE qVnR\$ g\$-sYV gm(hE qVnMm AmT xdm nVc XqVn àH\$Um cm KV cm Anho

àH\$U - 2

g\$enYZner g\$ \$YV grthË¶mMm

AnT xolm

àH\$U - 2

g\$YV grhE`mMmAmT`ndm AZH\$ (UH\$m

| A.H& | Vn(ec | nO>H\$ rH\$ |
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àH\$U 2

gēnYZ {df` ner g\$SYV grhÈ`nMmAnt`adm

2.1 àñVmlZm:

Annè`m XenV ñdnV\$ nâna H\$ni nV ej {UH\$ gēnYZmcm I n`_nR`em à_nUnV gYr d` àñgnhZ {i mco`m H\$ni nVM {ej Uj ðnV dōdōlù`m {d^mJm_Ü`o AZH\$ gēnYZoPmcr AnhV. grh{OH\$M Zi`m gēnVH\$ncm gēnYZmgnR\$ {df` {ZdS>H\$aUo AmVm gmo an{hco Znhr àhUjZM gēnVH\$ncm g\$SYV grhÈ`nMm d` npl`gēnYZnMm Aa`ng H\$aUoJaOMoAnho EI nKm gēnVH\$ Oòhm gēnYZ H\$am Mo RadVno Vòhm àW_ H\$HJÈ`m {df` ncla AmYnfaV gēnYZ H\$ando hm gdnP`_nR`m àiZ È`nA`ng_n C^m anhvno H\$HJr gēnYZ g_n`m {ZdSndr? {ZdScè`m g_n`da AnOVmìV gēnYZ Pmco Anho qH\$dm Znhr? Pmcco Agc Va H\$HJH\$HJÈ`m j ðnV ? È`ngnR\$ dmnacè`m Aa`ng nŌVr H\$HJÈ`m? È`ndèSZ {ZiH\$F`H\$HJÈ`ngnR\$ H\$HJVo g\$`memór` V\$ dmnaco È`m_YZ H\$HJÈ`cco {ZiH\$F`{H\$VnV Cn`ndr AnhV. _ZnV {Z_nŊ hndnè`m Aem gd`àiznMr Cîmao enVÈ`ngnR\$ gēnVH\$ncm gēnYZ {df` ner g\$SYV grhÈ`nMm d` npl`gēnYZnMm Ant`adm KJoAndí`H\$ AgVo

`ndèSZ Agocj nV`VoH\$ gēnYZ {df` ner g\$SYV grhÈ`nMm d` npl`gēnYZnMm Ant`adm KVe`ng Z{dZ gēnVH\$ncm È`nMr gēnYZ g_n`m hndmi È`ng`nŊ {Xem {i Vo gēnYZ {df` ner g\$SYV grhÈ`nMm Ant`adm KVinZm dōdōlù`m {dMnanZm MmcZm {i Vo npl`gēnYZnMm Ant`adm KVinZm AnnU {ZdScè`m {df` ng\$^nŊ`mndu {H\$Vr gēnVH\$Zr H\$H`H\$cco Anho hog_OVo È`m gēnYZn`Ü`o Zo_S`m H\$HJÈ`m Jm`da ^a {Xccm Anh? gēnYZnMr C{Ōi`H\$HJr AnhV? n{aH\$enZm H\$em {c{hccè`m AnhV? _n{hVr g\$H\$CZngnR\$ Zo_H\$ H\$HJr gmYZo dmnacr AnhV? gn\$`>`H\$` {dícUngnR\$ Zo_S`m H\$HJÈ`m V\$ nMm dma H\$ccm Anh? Aer gd`g{dnVa _n{hVr gēnVH\$ncm g_OVo

Z{dZ gēnVH\$ncm àñVW gēnYZmcm`nŊ`_mJm Adc\$ H\$aÈ`ngnR\$ npl` gēnYZnMm Ant`adm hm {XenKeP\$ RaVno àÈ`j H\$H`H\$aVmZm`_nè`m ASMUtMm A\$NO cndVm`Vo

gënyZ {dfqimMoOo' hîdnjU[©]knZ AnhoÉqimMm gnané XWod Éqim {dfqimAqim CncâY Agcëqim knZnMm AnYna KDSZ ÉqimnT[©]c knZnMm enV KÉqimgnr[©] AWdm CncâY knZnMm ZdrZ n[apnWVr' Yrc ~Xcccm AW[©]{dfX H\$Éqimgnr[©] g\$-ÿYV gënyZ {dfqimMm nmqim ^, \$' H\$Uo ahUOo g\$-ÿYV gm(hÉqimMo n[aercZ hmq]. gënyZ H\$Éqimgnr[©] AZb\$ Jm[©]Mr npl[©]Vqimr H\$andr cwVvo gënyZngnr[©] gmYnaUnUo {dfqimMo j ð {ZdSëqimZYa I mcrc àH\$naMm g\$[^]©gm(hÉqimMm Aäqimg HëqimZo g' ñqimr {ZdS[©] i qim»qim ñni[©]H\$U H\$ÉqimMr nÖVr, Jqhv H\$ÉqimMr 'n\$Ur, gënyZ nÖVr d Vq, {ZiH\$fmMo {ZdMZ B. {dfqimr ñni[©] ê\$nafm àná H\$ëZ Kvm qvvo

gënyZ {dfqimer g\$-ÿYV qimnydu H\$uVvo gënyZ Pmco Anhö ÉqimH\$ H\$uÉqim gënyZm wrc H\$uVvo {ZiH\$[©]añVW gënyZmV naH\$ AnhV? H\$uVvo dol i o AnhV? H\$Rè gmäqim Anhö H\$Rè ' \$aH\$ Anhö ho àW' V... nrhUo ' hîdnMo RaVo Ovíqim {ZiH\$fmZm ~XcÉqim n[apnWVrV Zdm AW[©]enVÉqimgnr[©] AnOnqimVÀqim g\$-ÿYV ej {UH\$ gënyZnÀqim {ZiH\$fmMo dmMZ, qmVZ, ' ZZ d CnmqimnOZm H\$Uo ahUOo g\$-ÿYV gënyZ n[aercZ hmq].

2.2 g\$-ÿYV gm(hÉqimMm Aäqimgnr[©] Mr JaO :

{d{ei> j ðmV qimnydu ho gënyZ Pmco Anho ÉqimMm g{dnVa Aäqimg HëqimZo nT[©]cà' nUoAZb\$ ' \$mqXohm/mV.

1. {ZdSëqim {dfqimg\$-ÿr nydu PmcoÉqim gënyZmMr H\$ënZm àná H\$ëZ ÉqimMr nuzandqimr Oxi UoeŠ` hmqod C(MV gënyZ {dfqim {ZdSÉqimgnr[©] ' wJëZ { ' i Vo
2. noluAqim gënyZmMr ' n(hVr hmqo cd ZnMr nÖV, ' n(hVr, ' n\$Ur, ASMUr qimr ' n(hVr hmqo
3. ñdV..Aqim gënyZmMr {Xem {ZpíMV H\$avm qvvo
4. gënyZ {dfqimMr i qimär d ' qimRm Cîm [aÉqim RadVm qvvo
5. Annëqim gënyZmMr nÖVr, Vq o H\$uVr Radndr qimMo' wJëZ { ' i Vo
6. g\$-ÿYV gm(hÉqimMm Aäqimgm i o Annccm {dfqim g' OZ Kuloqimmo OmVo
7. noluAqim gënyZ H\$Aqim gMZm H\$hr AgVrc Va ÉqimMr ' n(hVr hmqo
8. qim {d{ei> j ðmV H\$uVvo gënyZ Pmco Anho d H\$uVvo AOZ ~nH\$ Anho hog' OVo

9. $\text{g}^{\text{en}}\text{Zn}\text{A}\text{g}^{\text{m}} \text{A}\ddot{\text{a}}\text{g}^{\text{m}} \text{m} \text{i} \text{o} \text{a}\ddot{\text{n}}\text{VW} \text{g}^{\text{en}}\text{Zmer} \text{g}\text{S}\text{YV} \{ \text{g}\ddot{\text{O}}\text{n}\text{V}, \text{C}\{\ddot{\text{O}}\text{r}\ddot{\text{a}} \text{J}\text{h}\text{VH}\ddot{\text{O}}, \text{n}\{\text{aH}\ddot{\text{S}}\text{en}\text{Zm}, \text{g}^{\text{en}}\text{Z} \text{n}\ddot{\text{O}}\text{Vr}, \{ \text{ZiH}\text{S}\text{f}\text{g}^{\text{m}} \{ \text{d}\text{f}\text{g}^{\text{m}}\text{r} \text{g}^{\text{m}} \} \text{H}\text{S} \text{ ' n}\{\text{h}\text{Vr}, \text{g}^{\text{m}}\text{g}^{\text{m}} \} \text{H}\text{S} \text{V}\ddot{\text{O}}, \text{E}\text{g}^{\text{m}}\text{m} \text{Cn}\text{g}^{\text{m}} \text{d} \text{AW}\text{Zd}\text{M}\text{Z} \text{H}\text{S}\text{E}\text{g}^{\text{m}}\text{R}\text{S} \text{ ' m}\text{X}\text{e}\text{Z} \{ ' \text{i} \text{Vo}$
10. $\text{Oo}\{ \text{ZiH}\text{S}\text{f}\text{g}^{\text{m}} \text{g}\ddot{\text{O}} \text{Pm}\text{C}\text{Co}\text{An}\text{h}\text{V} \text{E}\text{g}^{\text{m}}\text{m} \text{Am}\text{Yna} \text{K}\text{V}\text{m} \text{g}^{\text{m}}\text{V}\text{no}$

2.3 g^g g^h g^m g^o :

$\text{a}\ddot{\text{n}}\text{VW} \text{g}^{\text{en}}\text{Zng}^{\text{m}} \text{g}^{\text{en}}\text{H}\text{S}\text{Zo} \text{g}\text{S}\text{YV} \text{g}^{\text{m}}\{\text{h}\text{E}\text{g}^{\text{m}}\text{m} \text{An}\text{T}\text{adm} \text{K}\ddot{\text{E}}\text{g}^{\text{m}}\text{R}\text{S} \text{I} \text{mrc} \text{J}\text{V}\text{m}\text{C}\text{g}^{\text{m}}\text{Vrc} \text{a}\ddot{\text{n}}\text{VW} \text{g}^{\text{en}}\text{Z} \{ \text{d}\text{f}\text{g}^{\text{m}}\text{er} \{ \text{Z}\{\text{S}\text{V} \{ \text{d}\{\text{d}\text{Y} \text{g}^{\text{en}}\text{Z} \text{Ahd}\text{m}\text{c}, \{ \text{Z}\text{g}^{\text{m}}\text{V}\text{H}\text{S}\text{f}\{\text{c}\text{H}\ddot{\text{O}}, \text{n}\ddot{\text{m}}\text{V}\text{H}\ddot{\text{O}}, \text{cd} \text{g}^{\text{m}}\text{g}^{\text{m}} \text{K}\text{V}\text{cm} \text{An}\text{ho}$

1. Eg. EZ. S_f. O_f. {ej Uemó ' h_m(dÚmc_g), n_lo
2. n_lo{dÚmnr_g} {ej Uemó d {dñVna {d^_m}, n_lo
3. {Q_i H_S ' h_mam_i>{dÚmnr_g} n_lo
4. {Q_i H_S {ej Uemó ' h_m(dÚmc_g), n_lo
5. an_g e_j {UH_S g_{en}Z d à{ej U n{afX, ' h_mam_i> n_lo
6. {Oehm{ej U d à{ej U g_Wm nZdc, an_gJ_S>
7. em_JS_m de-g_nB_g.

2.4 g^Sg^Y g^h g^m g^o :

g^mUr H_S r_g 2.1

g^Sg^Y g^h g^m mXe_gU_m g^mUr

| AZ _m _n _g S | Vnerc | g ^S m |
|-----------------------------------|---|------------------|
| 1) | H _S Vr` _g AU` _g Z n _l O _V r n _g m _V H _S m | 02 |
| 2) | n _l m _V H _S | 06 |
| 3) | cd | 08 |
| 4) | g _{en} Zo | 07 |
| | E _H U | 23 |

à{ej Umr Üjlo hñVH\$cm àmr » qinZo Av^ñ Hōccm AgmMm emi Vrc gd©gm(hÉqinMr ' n\$Ur AmU {Z{' Vr hr {ej H\$Zr Hōccr AgmMm.

SédS> qinMo 1984 'Üjlo {ZYZ Pmco ÉqinÁqim níMnV ÉqinÁqim HōDq-mcm emi m gm\$mi Uo AdKS> dnD> cmJco ' i Mo ñdê\$ñ AmU Zg{JH\$ dmVmdaU A~mYV aml V am{YH\$m, g\$MmCH\$, F\$fr ih̄cr ñH\$ç qinZr Jmr rU {ej U H\$DmMr ñWmZm H\$cr. F\$fr ih̄cr ñH\$çÁqim {ej H\$Áqim ghqinZnZo AäqinHg\$' nMr Aml Ur H\$ÉqinV Amcr. nX² Zm^Z and AmU ÉqinMr nÉZr a' m and F\$fr ih̄cr ñH\$ç 'Üjlo H\$MqAV Pmco and XnñÉq ladder qim gñ\$ñZgnR> H\$MqAV hnV o {ej H\$ AmU {dÚmwu qinZm hr gñ\$ñZm I yn AndS̄cr. {ej H\$ A{YH\$ AnÉ' {dídnmZo AmU 'ZnmgyZ H\$MqAV Pmco {dÚmíqinMo {ej H\$ñta nJ@Uo Adc\$-Z anhUoH\$' r Pmco emi m íqindñWmZnR> hr gñ\$ñZm {XenXeP\$ Racr.

2.4.2 Vn' i ZñMmgh^rd :

Vn' i ZnSy amÁqim Üjlo AZB\$ CnqP\$, aDHS Ago àqim {ej U j ñm/ hnV/ hnV o 1994 'ÜjloE'. nr. {dOqHr ma, Amq.E.Eg. A{YH\$nar do, na qinWoH\$ç@Oa hnV o Éqincló r ÉqinZr AZB\$ {dÚmwu ~mCH\$mr Jna ahUyZ H\$MqAV AgéqinMo nñhco ÉqinZr 'wñMo H\$áX AgoemfU Wñ{dco ho{dÚmwu ÉqinMo ~mcnU OJyeHV ZihVoAmU emcñ g\$fr ÉqinÁqim CncäY Agéqim Var ÉqinMm Cnqim H\$é\$ eHV ZihVo {dOqHr ma AmU ÉqinMo ghH\$nar gñ\$ñqim gññy 'é\$JnñX' qinZr Aem {dÚmíqinR> {deñ emi m gñ\$ H\$éqim {dÚmíqinMo AdYmZ H\$DV AgmcoVgM {eH\$ÉqinV ÉqinZm é\$Vr dnD>dr qinR> {dÚmwu H\$DV AnZXXmfr AÜqinZ nÖvtMm Cnqim H\$ÉqinV Amcm {dÚmíqinZm qim AÜqinZ nÖvr I ynM AndS̄éqim Vo 'ZnmgyZ AÜqinZ H\$é\$ cmJco nMmV g{' VrÁqim emi nZm Xd rc qim JnñMo AmMq© dnD>co H\$naU ÉqinÁqim emi ó Üjlo Ago CnH\$' AmU AÜqinZ nÖvr ZihVr. CnqP\$ CnH\$' AmU é\$Mnñ©AÜqinZ nÖvr OnUyZ KñqinR> 60 ' » qinÜqinH\$ EHSñ Amco d ÉqinZm à{ej U XñqinV Amco AnZXXmfr {ej UnMr hr gñ\$dnV hnVr.

qinZVa EHJU 7000 {ej H\$ñm qim nÖvrMo à{ej U XñqinV Amco {ej H\$ ònV nñVHóMo 'UNICEF' Áqim ghñqinZo àH\$ñeZ Hōco AmU {ej H\$ñR> g\$^© gm(hÉq CncäY Hōco

~mc 'Og AgUme'lm 'vnc'gnR' ho AnZ'Xm'lr {ej U C, dc ^{dVi'lmH\$Sæ dnoMmc H\$Umo Raco E'lm H\$ni mn'V Pmcco E'lmMo Zm\$gnZ {d{dY AU'lmZ nÖVr An(U ej {UH\$ gm(hE'lm 'lm'lm gnhm'lmZo ^e\$Z 'lm hnb'o Vm' i ZnS'W' \$ BRC, DIET Mo A(YH\$nar VgM EH\$U 30 {ej H\$ F\$fr ih'cr Jm' rU {ej U H\$ 'lmWo AU'lmZ nÖVr An(U ej {UH\$ gm(hE'lm 'lm'lm à{ej Umc'gnR' nnRdE'lmV Amco VWoE'lmZm 3 ' {hZo{Zdmgr à{ej U XE'lmV Amco

Ladder nÖVr' i o Aä'lm'g KOH\$Mo Næ'cm JO'lm {d^noZ H\$E'lmV Amco hnb'o {dÜmi'lmZm OoghOnUoñd-JVrZo'lm hnb'o {ej H\$ Xd rc Ammne'lm ^mfn' Ü'lmhoV\$ ghO AnE' gmV H\$V Jco E'lmMm {dÜmi'lmZm cm^ hnb' Jcm {ej H\$ emi A'lm {ZYn'pAV d' o'g m OnnV d' Wn'z Cn'lm'r Ago ej {UH\$ gm(hE'lm V'lm H\$e\$ cm'co AU'lmZ nÖVrMm gI mc Aä'lm'g H\$e\$ cm'co Vm' i ZnS'W'lm JO'lmr F\$fr ih'ccm {Xccr j d ^o>'lmWo ABL MmCX'lm Pmccm

2.4.3 H\$V'lm\$ AU'lmZ nÖVrMoVr' i ZnS' Ü'lmCn'lmZ :

Vm' i ZnS' Ü'lm gaH\$nar An(U gaH\$nar AZXmZ ànà Aem EH\$U 37000 emi n'g Ü'lm gZ 2007 nm'gZ gd^o{ej m A{^'lmZn'JV' 'lm nÖVrMo Cn'lmZ g'p\$ Pmcco Capacity building phase, Experimental phase, extension phase An(U Evaluation phase 'lmMm {d^m'm m \$' ABL nÖVrMm d'mna g'p\$ Pmccm

gZ 2003 Vo2006

Capacity building phase A'lm d' r 2003 Vo2004 'lm H\$rcndYr' Ü'lm Core team cm gV F\$fr ih'cr àno'p'À'lm Vkn' m \$' à{ej V H\$E'lmV Amco E'lmMd' r modules Mr {Z{ ' 'r H\$E'lmV Amcr.

gZ 2003 A'lm àn'lmUH\$ H\$rcndYr' Ü'lm M'pB^ ' hnzJanm(cH'V' \$ Mmc{dE'lmV 'lm'lm 13 emi n'lr B'lm' 1 cr d 2 ar Aä'lm'gH\$' {dH\$gZ H\$lm'lm'lmR' {ZdS>H\$E'lmV Amcr. ABL nÖVrMm d'mna 1 dfrA'lmH\$rcndYrgnR' 'lm emi m Ü'lmH\$E'lmV Amcm

Xp'e'lm phase A'lm gZ 2004 ' Ü'lmEH\$U 264 ' hnzJanm(cH'V' 'lm emi n'lr {ZdS> H\$E'lmV Amcr. E'lm {RH\$Ur ABL nÖVrMm d'mna H\$E'lmV Amcm 'lm H\$lm'lm' 'le { ' i n'e'lmZ\$'a n'm'lmV g{ ' VrA'lm emi V Xd rc ABL nÖVrMr An' I H\$e\$Z XE'lmV Amcr.

Bqllmm 3 ar Mo Bqllmm 1 cr An(U Xlgar ~ana g' mllmOZ H\$EqlmV Amco V{ ' i , B\$Or, J{UV An(U n[aga Aäqmg qm {dfqmm g' mde H\$EqlmV Amcm

{Vgellm phase ' Üqo àEqlm\$ rural äcrlH\$ Äqlm 100 emi n\$ Üqo qmm ägna Pmcm Eqlmdo r Eqlmcm ' n\$e nH\$c ähUz g\$-mEqlmV qm hml'o qm ' n\$e nH\$cMr EH\$U g\$ qm 4105 hml'r.

gZ 2007 Vo2008 :

edOÄqlm dfu ähUOo2007 ' ÜqoanAql gaH\$maÄqlm nWm(ZH\$ ndamAql g\$WmÄqlm Anl gaH\$maMo AZXnZ { ' i Umellm I nOJr emi n\$ Üqo Bqllmm 1 cr Vo 4 Wr nqV ABL Mr A\$ c~OmdUr H\$EqlmMo{ZX}e XäqlmV Amco

gZ 2009 Bqllmm 4 Wr Z\$ya hrM nÖVr Bqllmm 5 dr gnR\$ Xd rc am-{dEqlmV Amcr. Bqllmm 5 dr gnR\$ Simplified Active Learning Method (SALM) An(U Cf änlV{ ' H\$ dJmgnR\$ Active Learning Method (ALM) Mr A\$ c~OmdUr H\$EqlmV Amcr.

2.4.4 H\$Vqo\$ AUqqlZ nÖVr {eurlH\$ à(ej U nmlVH\$m(' ml©2015) :

änVW g\$enVZmgnR\$ nlr\$c gr(hEqlmMm Anlædm KälqlmV Amcm Anho änlVW nmlVH\$mV ABL g\$äenZm, g\$cm n[aMql, AUqqlZ nÖVr ' w o hml'mao ~Xc, {dfq{Zhmql cmmlon[aMql, dO mlH\$ d Znlkdømq, ganc d ' jell' mZ B. {dfqmda {dmcc ' mlhVr CncäY Anho

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g\$enVZmgnR\$ AndlqH\$ AgUmar {dfqmg\$-YV gUmVH\$ d änlqlmj H\$ ' mlhVr g' Ocr. ABL Mr äEqlj H\$mlenhrMr è\$nafm g' Ocr. H\$mlnÖVrMo O\$noH\$ co emi Wrc ' mZdr g\$lnrH\$S\$ Agcellm Angj mH\$ äqlm

2.4.5 erqlnam H\$ngoknzamZndnXr nmlVH\$:

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Cnqlnd :

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2.4.6 'nVr nH\$:

HVr nH\$ AU nOvr 'nVr nH\$

Cn nVr 'nVr O' mH\$ nR\$ n nH\$ Mm Cn n Pncm

2.5 g\$YV g nZmAnm:

- 1) **Lonkar Chandrakant Sakharam** (2016, Savitribai Phule University Pune)

Title - Development of ABL programme to enhance basic skills in English and its effectiveness.

Objectives of the Study :

- 1) To identify present status of the students English listening and speaking sub skill.
- 2) To find out from the teachers methods, techniques and strategies of teaching learning for Eng Ush listening and speaking skills.
- 3) To develop Activity based learning progranune to enhance English listening and speaking sub skills.
- 4) To test the effectiveness of activity based learning programme.
- 5) To find out the retention of developed progranune.

Statistical Tools for Data Analysis :

For the present research, researcher used various tools for data analysis. Qualitative and quantitative methods were used at different stages of data analysis. Qualitative methods were used for identification of different components of activity based learning programme and some qualitative questions in the English teacher`s questionnaire. For survey method, percentage and average were used as statistical tools for data analysis.

For product development, qualitative method was used to identify different components of activity based learning programme. For experimental method, quantitative tools percentage, average and t-test were used as statistical tools for data analysis.

Main Conclusion :

- 1) On the identified status of English listening and speaking, Skills components, the activity based learning programme was prepared in this study. The self developed programmes and You Tube complied resources are to be effective.
- 2) From the results of the present study, it is proved that developed activity based learning program can be effectively used for enhancement of English listening and speaking sub skills.
- 3) Activity based learning programme helps to retain the English listening and speaking sub skills.
- 4) Activity based learning programme is usefull to the IX standard students of rural area Marathi medium students.
- 5) Digital pedagogy is useful for English listening and speaking, skills development.

2) Researcher Sing, Budh 2016.

Title - Effect of activity based learning on Development of life skills among elementary level students.

University – Chaudhary Devlal university.

As per the different variables and nature of the study the objectives of the study are as below :

To study the life skills among elementary level students. To develop and plan certain activities for developing life skills among students at elementary level. To study the existing level of life skills among Elementary Level students. To see the effect of intervention programme on development of life skills through Activity Based Learning. To study the existing level of life skills among Elementary level Students before and after the commencement of experiment. To compare the life skills of male and female students at elementary level.

Findings :

- 1) It clearly shows that there is significant effect of activity based learning on the development of life skills because experimental group was taught through activity based learning before post-test. Learning through activities provides varieties of experiences to the learner; hence it ensures the development of life skill among learners.
- 2) There is a significant effect of activity based learning on the development of life skills because experimental group was taught through activity based learning during the period of experiment.
- 3) The mean score of post-test of experimental group is greater than mean score of post-test of control group. It further proves the significant effect of activity based learning on the development of life skills because experimental group was taught through activity based learning while control group was taught through traditional method.
- 4) There is no significant difference between post-test and retention test of experimental group regarding life skills of students at elementary level. It means that life skills once developed retain for long. To conclude, life skills education can best be given through the activity based learning.
- 5) The level of life skill is better among female students of experimental group than female students of control group because they were taught through activity based learning as an intervention programme while female students of control group were not given any treatment.
- 6) Suggestions for Further Studies – A similar study can be carried out comparing two different methods for the development of life skills. A similar study can be conducted on the development of life skills at secondary or higher level of education. A study can be conducted on the development of life skills at secondary or higher level of education. A study can be carried out for the development of soft skills.

A similar study can be conducted to see the effect of any professional programme on the development of life skills of students. A study can be conducted to see the relation between academic achievement and life skills. The effect of Activity Based Learning can be studied in academic achievement.

3) Researcher Bhausheb Shivaji Karekar

University Of Pune September 2013.

Preparation And Testing The Effectiveness Of An Activity Based Programme On Writing Skill In English For The Students Of Std. Vi.

Objectives Of The Research :

1. To identify the existing strategies used by teachers for improving writing skills of students.
2. To investigate the problems faced by students while writing in English.
3. To develop an Activity Based Program for developing the writing skill of students.
4. To test the effectiveness of an Activity Based Program on writing skill for Std.VI students.

Findings :

1. The researcher got formation about the various strategies that teachers use in the classroom for improving writing skills of students. He tabulated the research to plan the activities in the Activity Based Programme.
2. The researcher developed an Activity Based programme after conducting a pilot study and with the help of suggestions offered by experts. It included a number of interesting and engaging activities in writing.
3. The researcher implemented the Activity Based Programme and tabulated and analyzed the results in order to test the effectiveness of the Activity Based Programme.
4. **Conclusions :** It is necessary to use Activity Based Programme for teaching writing skills in primary level classrooms.
Students develop confidence in writing skills when Activity Based Programmes implemented systematically in the classroom.
Activity Based Programme add slive lines stoteaching writings skills and makes it meaningful, interesting and fruitful.

Suggestions for further study :

Remedial program must be carried out in case the students who are below average.

Similar study can be carried out for development of writing skill for all other standards.

4) Researcher Babu, T. Christopher (2009)

“Effectiveness of activity based learning (abl) as compared to convention method of teaching in the context of developing practical skills in science.”

Objectives of the study :

In any research in education, there is a need a operationalise the objectives in behavioral terms. They should be achievable and measurable as well, with these things in view, the objectives of the study are stated as follow-

1. To elaborate and examine the different instructional processes using conventional method and activity based learning (ABL) 144 method as alternatives strategies in teaching science for development of primary process skills, integrated process skill and scientific communication skills among the IX Std students.
2. To study and develop the Activity Based Learning (ABL) package in science for the IX Std students for the development of primary process skills, integrated process skills and scientific communication skills.
3. To find out the relative effectiveness among conventional and ABL method of teaching in terms of development of primary process skills, integrated process skills and scientific communication skills in IX Std science at demonstration and extension stages.
4. To study whether the different instructional strategies viz conventional and ABL method, are effective in realizing the instructional objectives in science of IX Std students as measured by pre and post-tests at demonstration and extension stages.
5. To study whether there is any significant difference among different instructional strategies viz conventional and ABL methods in terms of their effectiveness in science at IX Std 145 level as measured by the post-tests at demonstration and extension stages.

6. To study the relative effectiveness among conventional and ABL methods in terms of development of primary process skills, integrated process skills and scientific communication skills among the IX Std students as measured by the post-tests.
7. To study the student's reaction towards the Activity Based Learning (ABL) package.
9. To study the teachers' attitude towards the Activity Based Learning (ABL) package.

Methodology in Brief Control Group :

The group of students who are taught the content by the conventional method of teaching and do not receive any reinforcement through self instructional method of teaching is called control group in the study.

Experimental Group :

The group of students who learned the content and develop the skills through activity based learning method of teaching is called experimental group. Applying parallel equated group, teachique, 822 number of students were taken from standard IX as the sample for the present study.

Tool :

The following tools were used at this stage –

1. ABL package
2. CRT (Pre and post-tests)
3. Student Reaction Scale for ABL package.
4. Attitude Scale for IX standard science teachers.
5. Students reaction scale for ABL package.

Statistical Techniques used in this study –

- i) Mean and Standard Deviation ii) t- test iii) F- test

Summary of Findings and Conclusion :

The following are the major findings and conclusion emerged from the present study.

Demonstration Stage :

Concluded that the control and experimental groups are identical in terms of the achievement in the primary process skills, integrated process skills and scientific communication skills before the treatment of conventional and ABL methods of instructional strategies.

In all the three sub-skills, the experimental group has scored high values which show that teaching science through ABL methods of instructional strategies has resulted in higher achievement. This may be due to the possibility of total involvement of the students in the ABL method of instructional strategy which has enhanced absolute learning.

There is no significant difference between the mean scores of pre and post test of the control group. This inference points out that control group which is exposed to conventional method of teaching science does not show any skills in science. It may be due to the fact that activity based learning ensures total participation of the students which enhances better learning outcomes.

There is no significant difference among the primary process skills, integrated process skills scientific communication skills of the control group as measured by the pre test at the demonstration stage.

There is no significant difference among the primary process skills, integrated process skills and scientific communication skills of experimental group as measured by the post test at the demonstration stage. It points out that the ABL package has similar impact on all the three skills and it may be because of the equal weight age given to the developmet of all the skills.

It is concluded that 9th standard students have favourable reactions towards the Activity Based Learning package at the demonstration stage.

There is significant difference between the control and experimental groups with regard to the achievement in primary process skills, integrated process skills and scientific communication skills measured by the post test at the extension stage. Owing to the fact that the ABL package encourages learning through activities and self learning strategy, it is fount to have greater impact on students than the conventional method and it is proved by the above finding.

There is no significant difference between the mean scores of pre and post test of control group in terms of their primary process skills, integrated

process skills and scientific communication skills at the extension stage. It is obvious that the conventional method is not very effective in achieving practical skills in science since it is relevant only to content based teaching.

There is significant difference between the mean scores of pre and post tests of experimental group in the post test is comparatively higher than that of the pretest which substantiates the positive impact of activity based learning package in teaching science. It also establishes the criterion validity of the test. ABL method is found to be more effective than the traditional conventional method of teaching science at high school level. Science is competency based and not content – based.

5) Researcher Lalita Vartak

2001, University of Pune

Title - To study the effectiveness of the 'Activity Based' teaching – learning and evaluation strategy for developing of English language competencies of 1st std. students of Eng. med. Schools in Pune City.

Objectives of the Study :

- 1) To survey the existing Teaching Learning and Evaluation situation in schools after the implementation of the competency based curriculum in Primary Education.
- 2) To develop and measure the effectiveness of the "Activity based" Teaching Learning and Evaluation strategy for development of English language competencies in 1st std. students.
- 3) To study the development of English language competencies in the students.

Tools :

The researcher has made use of the following tools in the research study :

1) Questionnaire : Survey questionnaire :

This was used to - * Get the opinions of the teachers regarding the competency based curriculum.

* To obtain information about the existing teaching learning and evaluation procedures, followed in schools, (Appendix B) Questionnaire for participating teachers : This questionnaire was used get the opinions and the feedback from the teachers regarding the various aspects of the strategy prepared by

the researcher. (Appendix C) Questionnaire for parents : This questionnaire was used to get the information about the student's background relevant to the research. It was also used for getting the observations of the parents. (Appendix D).

* Statistical Tools : The researcher used the following statistical tools in her study :

* Percentage : It was used in the analysis of the questionnaires and the feedback sheet.

Opinion Score : It was calculated to find out the effectiveness of the Orientation Programme.

* 'I' test : It was used to find out the effectiveness of the "Activity based teaching learning and evaluation strategy" and the "Follow up Programme".

* Graphical representation : It was used to study the achievement level of the students in the enlisted competencies, as well as to compare the pre test and post test results of the students.

* Chi square test : It was used to find out the answers to the specific research questions.

Conclusions from the survey :

* The teachers have a positive opinion of the competency based curriculum adopted in schools.

* According to the teachers, the main hurdles in the implementation of the competency based curriculum are the number of students in the classroom the amount of clerical work involved and the available time at disposal.

* The teacher has a major role and there is little scope for interaction among the students. The involvement of students is very less in the classrooms.

* There is still a great emphasis on the written work in the teaching-learning and evaluation adopted in schools.

* The teachers take no specific conscious efforts for language development of the students.

Conclusions from the experiment :

* The English language competencies can be developed in the students of std. I through proper training.

* The “activity-based” teaching learning and evaluation strategy prepared by the researcher was effective.

6) **Ir. Anjdm0. 'nr 2006 -**

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3) Global Journal for Research Analysis :

Students should be given full freedom and opportunity to learn according to their capability and skill in classroom. Teacher should only act as facilitator or a guide not as an instructor or lecturer. This type of method is known as activity based learning or learning by doing.

Cnqnd :

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Cnqnd :

nUo {Oeomr gbmXUyH\$ ' qnd' mZndr g{dnVa ' nfhVr {' i mcr.

2.7 H\$Vqnd\$ AUqndZ nOVr (ABL) gbmXenZm:

{dUmWu H\$VUmo A{YH\$ n[aUm H\$mH\$ {eH\$VnV. CXm dJnd AJXr Nnd a qndhr H\$V{ednd} {eH\$de qndzo E qndmo {dn' aU hndv nnd> H\$eSZ E qndr Cndao {c{hcr OnVnV. ' ml aE qnd H\$VUmo {eH\$e qnd ~m-r CXm Mhm H\$Uo gndH\$ MncdUo nndUo qnd {H\$ qnd {dUmWu Annd^a H\$e\$ eH\$VnV.

- * I hear, I forgot
- * I read, I remember
- * I do, I learn

qnd a{gO {I gndZnd H\$VrVZ Pmcc AUqndZ {O\$nd\$ nde\$ndmo AgVo Ago Agc Va gnd^Aa qndH\$' hm {dUm qndZm H\$VrA qnd ' nUqnd' nVZ {eH\$dVn Ancm, ' nczm {eH\$ndcm CUp\$ H\$Vn Ancq Va ' ncon[aUm H\$mH\$aE qnd {eH\$ eH\$Vrc.

KOHnda AmYndav {d{dY Nnd Nnd CnH\$, H\$Vr AUqndZndA qnd H\$' nZnd ' n\$cod E qnd CnH\$' nA qnd ' nUqnd' nVZ ' nco {eH\$cr Va {O\$nd\$ nde\$ndmo AUqndZ hnd\$ eH\$. qnd VIdnda AmYndav H\$Vqnd\$ AUqndZ nOVr (ABL) nOVrMr ' n^v gbmXenZm Anho

2.7.1. H\$VqR\$ AUqRZ Qno:

AäqmgH\$, nnRçH\$, nnRçnmVH\$ qmMr EH\$m {d{ei>nÖVrZo grnS>KmcZ ABL nÖVr' Üqo AndíqH\$ AgUmao grhÉq {dH\$(gV H\$aÉqMv Amco Anho qm à{H\$Vrc Qno nTçcà' nUo -

Qnm1 :

àW' gñj[©]AäqmgH\$ (nnRçnmVH\$mVrc KOH\$ ho 'nÜq'), KOH\$, CnKOH\$ d nnRç' WnV / gñ\$enZm Üqo(d^mUo nnRç' Wm / gñ\$enZm nni>H\$aÉqMgnR\$ H\$Vr {ZdSÛo

Qnm2 :

àÉqH\$ H\$VrgnR\$ grhÉq Vqma H\$aUo H\$WVr H\$Vr Vqma H\$amqMr Vo dU2 H\$aUmao H\$S>Vqma H\$aUo VoH\$S>Ani I ÉqMgnR\$ {MnM dma H\$cm Anho ÉqMgnR\$ cmlno AgoáhOçeo Anho

Qnm3 :

H\$Vr/H\$S>qmMr H\$ ~Ö 'n\$Ur àhUOo EH\$ KOH\$ nÜ[©]hnmam Qnm ÉqMgnR\$ Znd MILESTONE. àÉqH\$ {dfqMv Ago10 Vo15 QnoH\$aÉqMv Milestones AmcoAnhV.

Qnm4 :

Milestone Mr H\$ ~Ö 'n\$Ur àhUOoAUqRZ {eSç - LADDER

Qnm5 :

JQxV, gm fH\$aÉqM ; qmndqMÀqM H\$VrÀqM 'n\$UrgrnR\$ nqH\$ AUqRZ {eSç (SIDE LADDER) {dH\$(gV H\$aUo qm H\$VrgWm cmlnoZoXeÉqM AnhV.

2.7.2. H\$VqR\$ AUqRZ àUncr (ABL) 'Yrc gçkm:

Ladder (AUqRZ {eSç) :

Ladder àhUOoÉqM BqMÀqM ÉqM {dfqMÀqM AäqmgH\$ nMo{dÜmi'qMgnR\$Mo AgccO dn{fP\$ {ZqMÖZ.

ABL H\$MqRÖVr' ÜqoXnZ àH\$MÀqM Ladder {dH\$(gV H\$ÉqM AnhV.

1. Main Ladder
2. Side Ladder

darC Main d side Ladder ho eāX ÊĴmĴm H\$WXdarc OmĴm XeĴdVnV. gĴP © à{H\$ĴV XnĴhtMo ' hĴd gnaI M Anho Main Ladder ' ÜĴĴdĴĴ{°H\$ H\$VtMm AY^neĴ hnb/no d Side Ladder ' ÜĴĴo JQxVrc H\$VtMm AY^neĴ hnb/no Va Ĵm {dfĴmVrc VgM ' ĴĴ{ej U, emar[aH\$ {ej U, H\$ĴmĴZw d, H\$cm, OrdZ H\$ĴĴĴĴ Ĵm {dfĴmVrc JQxV {eH\$ÊĴmĴm H\$VtMm AY^neĴ Side Ladder ' ÜĴĴohnb/no Ĵm gd©dĴĴ{°H\$ d gnĴKH\$ H\$VtMm ~mcH\$AĴm gdĴĴrU {dH\$ngnV gnaI nM dnOx Anho

1. Main Ladder :

' anRĴ, BĴOr, J{UV, n[aga ^mĴ 1, n[aga ^mĴ 2 ho XnĴ {dfĴĴ {dÜmĴĴmĴO àmĴ ĴmĴzo H\$VrÜmno {eH\$ndV Ago AnhoV. Ĵm {dfĴĴ KOH\$nda AmĴn[aV H\$Vr Ĵm Main Ladder da ' n\$ĴĴĴm AnhoV. H\$VrMm Vnerc AnĴ I ÊĴmĴngnRĴ {d{dY {MĴnMm CnĴĴm hnb/no ÊĴmĴm cmĴno Ago àhOxco Anho AÜĴĴZ KOH\$Mm H\$' d H\$Ĵ{RÊĴĴ nmVi r {dMmanV KDSZ cmĴnMr ' n\$Ĵr H\$cr Anho àÊĴĴH\$ AÜĴĴZ KOH\$AĴm cmĴnMr H\$' ~Õ ' n\$Ĵr àhUOo Milestone, àÊĴĴH\$ Milestone {eH\$VmZm {dÜmWu {Zarj U, dnMZ, cd Z, àH\$Ĵn, àĴmĴ BÊĴmĴr VĴnda AmĴn[aV dĴĴ{°H\$ CnH\$' H\$arc d ÊĴmĴngnRĴ {ej H\$ĴĴr ' XV, ghÜĴmĴmĴr ' XV, JQxV MMmH\$Uo ñdĴĴAÜĴĴZ Aem {d{dY nÕVtMm dna H\$e\$ eH\$C Aer aMZm H\$ÊĴmĴV Ancr Anho àÊĴĴH\$ KOH\$ĴĴm eodx ñdĴĴ ' ĴĴ' mZ, CnMmanÊ' H\$ AÜĴmZ d {dÜmĴĴmĴm JaOZmna H\$Vr XVmĴBÊ, Aer VaVX H\$ÊĴmĴV Ancr Anho

2. Side Ladder :

' anRĴ, J{UV BÊĴmĴr {dfĴmVrc JQxzo H\$andĴmMo CnH\$' CXm H\${dVm, JmĴZ, ZnOxH\$U, ~nhĴcr ZnOx VgM H\$cm H\$ĴmĴZw d, emar[aH\$ {ej U d AmāĴĴ ' m {dfĴmĴm {d{dY H\$Vr, ÁĴmV ' XnZ d {d{dY gn{hÊĴmMm dna H\$andm cmĴVno d ÊĴmV ' mĴm gh^mĴ d naĴna ghH\$ĴĴ{°ĴmĴo cmĴVo Aem H\$VtMm AY^neĴ Side Ladder ' ÜĴĴo H\$ÊĴmĴV Ancr Anho Main Ladder ÁĴm XnĴhr ~nOcm Side Ladder XeĴCcr Anho Side Ladder MoXnĴ ^mĴ nSĴnV -

KOxH\$ {dUmwu H\$VrUmo g' OZ KVRc d àÉqbt\$ Milestone 'Üqo {d{dY Vg nUmo Éqnm/lo 'jé' nmZhr HócoOnBé.

gn{hÉq H\$UÉqM BqÎm/lo AnhoVo Ani I Éqngnr\$ àÉqbt\$ BqÎmngnr\$ a\$ {ZpíMV Hócm Anho àÉqbt\$ BqÎmAqM H\$Vr H\$S^nodVr {d{dY a\$InMr MnH\$Q>Ani cr Anho hr MnH\$Q>ÉqM BqÎmMr H\$S^d Ladder Aer Xnhrda d AndíqH\$VZygra Oo gn{hÉq Vqna hnBé Éqnda ÉqM qM BqÎm/m a\$ dmacm On/no

g' h Wni r :

AÜqgZ H\$Vnzm {dUmwu ÁqM nÕVrZo dmanVno Éqnm/m {dMna H\$e\$Z AÜqgZnMo ghm O\$noHócoAnhV. AÜqgZnMm KOxH\$, Milestone d nÕVr qnm/m {dMna H\$e\$Z ÉqnmZoH\$UÉqM JQxV ~gndo ho Ra{dÉqM/ Amco Anho àÉqbt\$ Milestone Mo AÜqgZ H\$Vnzm {dUmwu qM gd°ghm nÕVtMm dman H\$VnV.

AÜqgZ nÕVrZygra JQ>g' h nWrcà' rlo-

| g' h H\$ n\$ | g' h nWrc nÕVrMmVnerc |
|--------------|--------------------------------------|
| 1 | {ej H\$AqM ' XvrMm g' h |
| 2 | {ej H\$AqM A&V... ' XvrMm g' h |
| 3 | ghUqngno-V {eH\$ÉqM/m g' h |
| 4 | ghmUqngnr d JQà' w nAqM ' XvrMm g' h |
| 5 | ndq\$AÜqgZ / gand g' h |
| 6 | 'jé' nmZ / CnMna g' h |

gd°{dfqngnr\$ dmanVnV Amcco cnolo ÉqmAqM AÜqgZ nÕVrZygra ÉqM ÉqM g' h Wni rda N\$ccoAnhV. àÉqbt\$ {dfqmAqM ghm g' h WnUqM AgVnV.

{dUmíqnmMo JQ> H\$aÉqMMr {d{ei> nÕV AgVo àÉqbt\$ JQxV àÉqbt\$ BqÎmMr 'wco qWrc Ago JQ> H\$aVnV. {ej H\$ g\$ qM d I neqnmMr g\$ qM {dMnanV KD\$Z JQ> H\$aVnV. àÉqbt\$ dJ@ncrV AÜqgZ nÕVrZygra ghm JQxV H\$Vr H\$aV {dUmwu H\$aVnV. {dUmíqnmMo JQ>

{d{ei>g} Z dmaVm randomly H\$VnV. JO>H\$VnZm hĕma, H\$' r hĕma ĩm ~m-tMm {dMna H\$Z ZĩoAgoAnóĵ V AgVo

2.7.3 H\$VĩnH\$ AÜĩĩZ àUncr àĒĩĵ H\$ĩĩhr :

ABL nĵĶVĩnr

1. emi V àná PmCCO ABL ġm{hĒĩ Vnġĵ KĬo d ĒĩnMr ZnK dhrV KĬo ġm{hĒĩ H\$' VaVm AgĒĩġ nĵĶm H\$Z KĬo CXm {dfĩmZġma AÜĩĩZ H\$SĶ², flash H\$SĶ² d ġ' ĩ Wmi r, Ladders AÜĩĩZ H\$ĩĩĩVH\$ĩ, tray sticker à{ej U hñVnĩVH\$ĩ, work done register, ġmXUH\$ V^o, {dÚmVu XZĶXZ CnĩVWr nĪH\$ B.
2. I nĒĩĩÜ` oJaOà' nĬorack Vĩna H\$Z KĬo
3. {dfĩ I nĒĩĩm Vĩna H\$Uo ({ej H\$ CncāYVZġma) àĒĩĩH\$ AÜĩĩZ H\$SĶ² Mo cno{Zhmĩ, {dfĩ{Zhmĩ dJuH\$U, H\$Z tray 'Üĩo' n\$Ĭr H\$Uo EH\$ĩ tray 'Üĩo EH\$ĩ cnoĩMr Mna ñVanĩMr AÜĩĩZ H\$SĶ² AgVm/ ĒĩĩMo Mna JRĶ Vĩna H\$Uo AÜĩĩZ H\$SĶ² tray {dfĩ rack 'Üĩo' n\$Ĭo
4. ġ' ĩ Wmi r àĒĩĩH\$ {dfĩĩĩĩ ġm ġmà' nĬo Vnġĵ Ēĩĩ {dfĩ{Zhmĩ I ncrV RĶUo ġ' ĩ Wmi rMr aMzm oil paint ZoO{' Zrda, 'šerda aš{dUo
5. Ladder daMr Omĩm 'ncĩm hñmĩ Ēĩĩġ ġmĩr hñĒĒ Aer {ZpĩMV H\$Uo
6. AÜĩĩZ H\$ĩĩĩVH\$ĩ {dfĩ I ncrV RĶUo
7. dJmĩ VmMm 'šĶ Vĩna H\$Z KĬo H\$' r CMrda àĒĩĩH\$ {dfĩġ AÜĩĩZ ġH\$ ġm{hĒĩ H\$maoH\$Z KĬo àĒĩĩH\$ I ncrĩĩm àdeÚnanOdi {dfĩĩMoZm 'šCH\$ cndUo
8. dJ{ej H\$Zr AnnĒĩĩm {dfĩĩMr ġd^o 'ĵĩ' mZ H\$SĶ², cno dnMndrV àhUOo Milestone {ZpĩMvr H\$Uo ġmo hñĒĒ. àĒĩĩH\$ {dÚmĩĩm {dfĩ{Zhmĩ cno n[aMĩ H\$Z XĬo
9. {ej H\$Zr AÜĩĩZ H\$SĶ²Mo H\$Vr d CnH\$' nĩo I o , eāXH\$š B. Mo Aāĩġġĩ^o dnMZ H\$Uo 'Ķĩ {dfĩĩĩĩ Side Ladder H\$SĶ² ĩMo dnMZ H\$Uo ġd{dfĩġĩĩĩ AndĩĩH\$ AÜĩĩZ ġH\$ ġm{hĒĩ emi mAZĶnZ cnošġh^mĩ ĩmVZ CncāY H\$Uo

‘Երկուձեյ ՀՅ ցճ րհՀիմի յՕ>Վրա ՀՅՍՕ

1. àĒրիծՅ ԲրիՆրԵ ‘Երկուձեյ ՀՅ ցճ րհՅՎԻԾ յՕ>ՀՅՍՕ

- CXm emi Վ 2 {ej ՀՅ AgVrc Va
- ԲրիՆմ ն{հԵրԱրիմ {dՍմի՛րիՆՄՕ2 յՕ>
- ԲրիՆմ XդարԱրիմ {dՍմի՛րիՆՄՕ2 յՕ>
- ԲրիՆմ {VգարԱրիմ {dՍմի՛րիՆՄՕ2 յՕ>

àhՍՕօցիսՍԵմի ՎրԵ {dՍմի՛րիՆՄՕEHՍՍ 2 յՕ>հնՎրԵ. àĒրիծՅ յՕ>Վ B. 1 cr Վօ4
Wr Մօ {dՍմի՛րիՆ AgVrc. րիՆՄà՛ նՍօ 3 {ej ՀՅ 3 I նԵրիՆԱրիմ emi Վ 3 յՕ> d 4
{ej ՀՅ I նԵրիՆԱրիմ emi Վ 4 յՕ>հնՎրԵ.

2. àĒրիծՅ {ej ՀՅդիՆրՅ {dբրի՛ dնՕՂ շրիՆՄՎ. EHS I նԵր EHSմ {ej ՀՅԱրիմ ՎնրիՆ
անրԵ. CXm I նԵր ՀՅ՛ նԻՅ 1. ^նբմ, ԲՏՍՕր, ն[ագա Աäրից, ՀՅԵմ, em {ej Ս.
3. Ēրիմ Ēրիմ I նԵրՎրԵ {dբրի՛ rack da ԵՆՍՆ {Հիմի ՀՅՆՏՅՂՂ ԱՎրի գրիհԵրի, XշՅXZr Վ՞Յմ
d ցճնԿՍԿՅ Վ՞Յմ, ՉնՅ dhr B. գրիհԵրի {ej ՀՅ րիՆի՛ ՆŌՎրZօԵմՂ ՆՎրԵ.

Երի՛ ն[աՄրի՛ :

1. ԵՆՍՆ Milestone, Ladder hr {dՍմի՛րիՆԱրիմ ԱՍրի՛րիՆՄր à՛ րի՛ գրիՆZօ ԱնիՆՎ. hr
գրիՆZօ {dՍմի՛րիՆՄ նիՆՎ... ժնանրի՛րիՆ ԱնիՆՎ. Ēրի՛րի՛ յօ րի՛մ գրիՆZօՄմ ն[աՄրի՛ ՀՅԵՂ
XԵրիճրիճրՅ dբրի՛Արիմ ցԵճնՎրՄմ ՀՅՆԵմՂYr ժնանրի՛րիՆ Անի՛ո Ēրի՛նՀՅ[աՎմ 2 Վօ3 ԱնԻճԵՏ
ՀՅՆԵմՂYr նաճմ Անի՛ո
2. րի՛մ ՀՅՆԵմՂYrՎ ցԵճ{dբրի՛Արիմ ԵՆՍՆՄմ ն[աՄրի՛, dՅնրԵ {d{dY ց_ննà՛ նՍօ ՕմՍմ
~XC ՀՅՍՕ Ladder Երի՛նՍ B. ՀՅՎՄՄմ ցանՍ ՀՅԵՂ շրիՆՄ

‘ԵրկուԱճրՕմilestone (ZրիՄՎ ՀՅՍՕ (նՎա {ZրիՄՎ ՀՅՍՕ)

1. Երի՛ Milestone Մմ ն[աՄրի՛ ցԵճնՎրԱրիմ dբրի՛ ցԵճ՞ ԵՆՍՂ ՀՅԵՂ Սնժմ ԵՆՍԵ. ‘մի
ZՅՎաԱրիմ dբրի՛ Հիճի B. 1 cr d ZdrZ àճԵՎ ‘ԵՆՍՂ "0" Milestone Մմ ն[աՄրի՛
ՀՅԵՂ Սնժմ ԵՆՍԵ. Ēրի՛նՄմ {ZրիՄՎ Milestone ՀՅԵՂ Ղրի՛

2. Amñeŕim JQxV AnVm B.1 cr Vo4 Wr Mo{dÚnWu AnhV. àW' ho{dÚnWu àÈŕib\$ {dfŕimÀŕim H\$uÈŕim 'nBēñ0xZ da AnhV ho AŕnDo{ZpíMV H\$ando cmJc. ÈŕimgnR\$ MnMUrÀŕim {d{dY Vŕnŕm dnna H\$andm
3. gXa AŕnO Milestone àÈŕib\$ {dfŕimgnR\$ {ZpíMV H\$eSZ ſŕimV. Zſya dnñV{dH\$ Milestone. Real Milestone {ZpíMV H\$ando cmJVrc. Èŕim ñVamngyZ Èŕimŕm AÜŕŕZnMr gſŕ XêŕimV ŕindr.
4. {eŕŕdŕm AWdm àkm enV ŕimgna»ŕim narj m H\$ŕaVm OnXm 'mJŕeZ dJ©KêŕimV ŕindr. ABL Úmø AVr àJV {dÚnWu cdH\$a enVcm OnD\$ eH\$Vno Ono {dÚnWu gd© {dfŕimVrc gd©Milestone A{YH\$ cdH\$a nŕ©H\$a© Èŕim {dÚmŕimŕg {eŕŕdŕm AWdm àkmenV narj Àŕim gand àŕZn{ŕH\$m XVm ŕBē. nŕH\$ AÜŕŕZ gñhÈŕhr nŕ{dVm ŕBē.
5. {eŕŕdŕm AWdm àkmenV narj gnR\$ nŕR\$H\$' cdH\$a nŕ©H\$aÈŕimMm ABL 'Üŕlo àde CX^dV Anho H\$uU ABL 'Üŕlo àÈŕib\$ {dÚnWu ÈŕimÀŕim JVrZo Aäŕimg H\$aUma Anho Èŕim ſi o gñh{OH\$M ÁŕimMr JVr Mnŕ cr Vno {dÚnWu Aem narj m H\$ŕaVm {ZpíMVM OnXm dŕ XÐ\$ eH\$Vno
6. àÈŕib\$ Ladder 'Üŕlo H\$ŕhr [aH\$ŕ r MnH\$ŕ AnhV. ŕim MnH\$ŕMm AW©A{VàJV AWdm 'ŕJVrZo {eH\$Uñeŕim {dÚmŕimŕgnR\$ {ej H\$ŕZo nŕH\$ gñhÈŕ/gmYZ CncāY H\$eSZ Xŕo Agm Anho VgM {ej H\$ŕŕ ÈŕimÀŕim H\$enZVZ ABL H\$ŕaVm nŕH\$ Aem gñhÈŕimMr / gmYZnMr {Z{ 'ŕr H\$andr Aer Anŕ m Anho

‘wrcflogē\$dnVrMoA&nDo Milestone {ZpMV H\$EqrMr nŌV :

Z’ ŵm{dfqr J{UV

| A.H\$ | {dUmlqrMo Zml | hOer | ABL nVa/ Bqrŀm | A&nDo Milestone | {ZpMV Milestone | àEqrj gē\$dnVrMm Milestone |
|-------|---------------|------|----------------|-----------------|-----------------|----------------------------|
| 1 | amr | 2 | 2 | 17 | 15 | 14 |
| 2 | g{dVm | 2 | 2 | 16 | 18 | 17 |
| 3 | Amr \$arZ | 2 | | | | |
| 4 | gwr | 2 | 2 | | | |
| 5 | ànO°\$m | 3 | | | | |
| 6 | ’ qr | 3 | | | | |

gd°{dUmlqrMo gē\$dnVrMo A&nDo Milestone {ZpMV H\$VnZm darcà’ mJo Z’ ŵm

V°\$m dmnVm qBē.

2.7.4 H\$Vqr \$ AUqrqZ nŌVr’ ŪqrAndqrH\$ AgUmogrqrEqr :

1. AUqrqZ H\$Sqr
2. Rnbsi o/ ’ \$ngo/ à{VH\$Vr
3. JQnVrc d dqr{°\$H\$ I ò
4. gnfKH\$ H\$Vr
5. JmUr, H\$cdVm, Jmō&
6. ~nhjcr ZnŌ&
7. H\$Vr n{ŀH\$m, n̄dnŪqrnqr nqrVH\$m
8. j ð ^Ō> ghcr, àH\$en
9. J{UV d {dknZ nŌ&

2.7.5 H\$V\$AÜ\$ nÖVrMm n[aUmf :

H\$V\$AÜ\$ nÖVrMm n[aUmf Xniz ñVanda 'nDUoAndíH\$ Anho

A. JÜñ'H\$ ~Xc :

1. {ej H\$
2. {dÜmWu
3. nmcH\$

~. g\$ñ'H\$ ~Xc :

A. JÜñ'H\$ ~Xc : {ej H\$ñH\$m

1. ñDZÀñm gè\$dmVrg AgUnam Jag' O, ñDZm g' Oèñda {ej H\$Zr 'ZnngyZ ñdrH\$acr.
2. à{ej U H\$V\$ Agèñzo{ej H\$m gh^m g{H\$ AgVno
3. ej {UH\$ gm{hÈñ Vñma H\$aÈñm {ej H\$m gñÿ^m gh^m AgVno
4. ñmñdu {eH\$dVzm hmbñm Mm\$ Zn³ñm cj mV ñD\$ cmèñm
5. {ej H\$m AZndíH\$ cd r H\$m dñmVo
6. {ej U h, \$ H\$mñÜññm VñVñtMm Adc\$ nÿ^ñcm Onmvo

2.7.6 {ej H\$ñH\$m ñ/rc ~Xc :

1. 'mJonSÜnar 'wcoH\$ñVr Voñni>{ZXeZng ñVo
2. 'mJonSÈñMr {dÜmWu{Zhmñ H\$ñUoñni>hñmV.
3. ñm 'wcnñR\$ H\$ñVoCnMna H\$andV ÈñmMo' mJReZ hñvo
4. àJV 'wcnñR\$ {def àÈñZñMr gññ hñvo
5. gmÈññÿgdH\$f 'j' mZ Vññm Ay^ñ Agèñzo 'j' mZñMr H\$ñññññUo A\$ c~OmdUr hñvo
6. {ej H\$m ^' H\$m 'mJReñMr Pncr, Èñm i o àÈññ\$ {dÜmññññ JaOZèñ {ej H\$ 'XV H\$è\$ eH\$mV.

2.7.7 H\$Vf\$ AÜf\$ nÖVrMm' w\$la PncCm[aUm] :

1. 'wcoemi W C{eamnV a' VnV.
2. AÜf\$ H\$S\$ dmné\$Z 'wcoAmZ\$Zo{eH\$VnV.
3. Aäf\$Vnfer Yr0\$Uo~ncVnV.
4. AÜf\$ H\$S\$ d AÝf\$ gn{hÉf\$ enVÉf\$ng nañnanf\$ 'XV H\$VnV.
5. H\$S\$ KÜo nñhm Vr f\$OmJr RdUoVngma»f\$H\$m nV Zr0Z0H\$Um AmT\$ Vno
6. 'wcnf\$ AZb\$ H\$Vr H\$Éf\$Mr gÝr Agéf\$Zoemi mH\$Qmi dñUr hnV Zñhr.
7. H\$hr 'wcoñdV..Äf\$ Bf\$Mm Aäf\$ng H\$é\$Z nT\$C H\$Vr H\$VnZm AmT\$ co
8. AZmñVWVrMoà' nÜ H\$' r Pnc
9. 'wcnMoXáanMoAnPoH\$' r hnÉf\$ng 'XV Pncr.

nncH\$fo' Vn[adV] :

1. gú\$dnVrcm f\$ f\$DZMr 'ñ{hVr Zgéf\$Zo {danV Pncm 'mì f\$DZMm AZñd Kvéf\$ZYa nncH\$ g' mYmZr Anhv.
2. {Oëhm n[afXAf\$emi W àde KÉf\$Mm H\$C dñT\$cm]cm
3. ej {UH\$ àJVr~m-V nncH\$ g' mYmZr Anhv. AÝf\$ JndnVrc nncH\$ ñdI MñZ0ABL f\$DZm Annéf\$ JndnV gú\$ H\$Éf\$ng Vf\$ma Anhv.
4. B\$ng Vncf\$V gZ 2013-14 nngZ gd©emi nV hr f\$DZm JndH\$ef\$VnV nT\$H\$anZoH\$nf\$V hnV Anho

g\$ññ' H\$~Xc :

f\$ nÖVr' w o 'wcnf\$ ~ñÖH\$ j 'VMm {H\$Vr {dH\$ng Pncm ho 'nÖÉf\$ngR\$ AÜm H\$hr H\$ni Ondm cm]c. 'jé' mZnMo {Zf\$DZ H\$Éf\$VnV Amco Anho {Vgéf\$ d Mñf\$ dfAI arg 'wcnf\$ ~ñÖH\$ àJVrMo' jé' mZ H\$Éf\$VnV f\$Bé.

2.7.8 H\$Vf\$ AÜf\$ nÖVr A\$C~OmlUrVrc Anññ :

1. ABL ñdrH\$Éf\$ngR\$ {ej H\$ d àengH\$Mr 'nZ{gH\$Vm KS{dUo d Éf\$ng A{YH\$ H\$nf\$' d gj ' H\$aUo
2. {ej H\$Zm àdVf\$Mr ^f\$ H\$m g' OndZ XÜo

3. PTA, School Management Committee ገቢ/ሎርጽ-ጠሃረ ዘክላሁ
4. ሕይወት ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
5. ግብርና ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
6. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም

2.7.9 ዘገባው ለሰላም ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም:

1. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
2. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
3. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
4. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
5. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
6. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
7. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
8. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
9. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
10. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
11. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም

2.7.10 ዘገባው ለሰላም ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም:

1. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
2. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
3. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
4. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
5. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም
6. ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም ለግብርና ለጥቅም ለሰላም ለብሔራዊ ጥቅም ለሰላም

cd Zn²⁺ V₁na 'hIdnMr AgVo qm Üjlo hmVnAqm ~n₀Äqm nZnly {dH\$gV
hn₀qmgnR\$ {d{dY CnH\$' knZaMZndnXner {ZJS\$V AnhW. Aj acd Z, eäXcd Z, dm³q
cd ZnZYa 'Oera I ö ähUOo dm³qmS₁a, CXm EH\$M eäX XD\$Z Èqm Üjlo EH\$m-EH\$m
eäXnMr dm³>H\$e\$Z dm³q S₁a V₁na H\$aVm q₁no

CXm

Xo

' cm Xo

' cm ' anR\$Mo n₁VH\$ Xo

' cm {VgarMo' anR\$Mo ZdrZ n₁VH\$ Xo

' cm V₁po{VgarMo' anR\$Mo ZdrZ n₁VH\$ n₀H\$Z Xo

Äqmà' n₀ AnnU {eH\$cm qH\$dm Ann₀qm {ej H\$Zr Ogo {eH\$dco VgM AnnU
Wn₀cm \$na ' \$aH\$zo Ann₀qm emi W {eH\$dV AgVno hm Pncm dV₂dnX. gÜqm AäqmgH\$' nV
g' n{di> AgUnam knZaMZndnX d dV₂dnX qmVrc ' \$aH\$ hm ^mfMm n₁duVm AäqmgH\$' d
aMZndnXr n₀VrZyga ~XcccM AäqmgH\$' qm Üjlo I mcrcà' n₀Ag₀qmMo{Xgy q₁no

| dVZdrk | knZaMZndrk |
|---|---|
| {ej UHDr AäqngH\$' . {ej H\$Zr gn\$nmMo 'wczr Eb\$nmMo nnR\$Va H\$amMo ~ncZ Xml dnmMo | ~ncH\$HDr AäqngH\$' ~ncH\$Zo ndV... ZdrZ AZrd ;nmMo 'c ndV... knZnMr {Z' Vr H\$aVo |
| narj gnR\$ d narj W nng hneqngnR\$ Aäqng Aer YnaUm, ^ndZm | {eH\$Uo hm OJUo narj Mr ^rVr dnV Znr. nng Znnngncm Wnam Znr. |
| A{^i\$ ' qm | A{^i\$cm ^ana gYr |
| {ej H\$ hm knZnMm gnR\$ XUnam hr ^y' H\$m | {ej H\$ hm {dUmim {', 'XVZrg hr ^y' H\$m |
| H\$Vrcm Xp' nWnz, gnMe-OnUm | H\$Vrcm amymq H\$eZ {eH\$Uo AZrdmVZ {ej U, AmZ\$Xnr dmndaU. |
| 'XJVr 'wczr Uqo YqzJ\$ > {Z' nE hnb/no hena 'wczr gYr {' i Vo | gdnz m g'nZ gYr {' i Vo Annem H\$VrZna {ej U. C\$gnh dntVno AnE' {dídng {Z' nE hnb/no |
| {ej UmMo AnPodndVo VUnd qvno | {eH\$emMo AnPo dnV Znr. VUnd' w\$ dmndaU. |
| JOMMm A^nd. {dMnanr XdmUKdmU H\$' r. | JOMMm i o AUqz gmo g'dqnh\$-ano-a J\$nm Jm\$ngz {eH\$Uognnohnb |
| i{^i\$ Id {dH\$ngmcm nngm dnd {' i V Znr. gn(hpE\$ A{^i\$Mm A^nd | gnem aMZVZ gn(hpE\$ A{^i\$ Vqna hnb |

2.7.12 AZrdnYraV H\$VqA AUqz nÖVr :

i{^i\$ ndV..Mm AZrd KDSZ kmZ {' i dV AgVo OrdZnVem äE\$ OmV j Umcm
AZrd H\$ i V ZH\$ i V qV AgVnV. E\$nmV AnnU H\$hrZm H\$hr {eH\$V AgVno aMZndrk
ähUOonpZndr gn\$ > KrcZ ZdrZ knZnMr anár. AnOMm AZrd nVc knZanargnR\$
ndZnd RaVno naVwencq {ej UmV {dUmim H\$UE\$ dnmcm H\$UVo AZrd H\$UE\$

'mJnZr {' i nclV? H\$uÉŒm hVZr {' i nclV? ŒmM {dMna H\$eSZ ŒmŒ AZŒdnMr {ZdS> 'n\$Œr H\$andr. HŒdi iŒm»ŒmZ Z XvM AUŒŒZ à{HŒŒV dnŒVd AZŒdnŒm 'hŒdnMo nŒWnZ Anho nŒVH\$ AäŒmŒH\$SZ dnŒVddnŒr AZŒdnŒSŒ di mŒMo Anho Oo AZŒd dJnŒŒm 'ŒmŒV KŒm ŒŒma ZnhrV ÉŒm AZŒdnŒmŒ {dŒmŒŒm dJnŒnha ŒŒndo {ZgJnŒrc AnŒU 'mZdr OrdZnŒrc e³Œ ÉŒm dnŒVd AZŒdnŒm {^SŒ XŒo ŒmŒM AZŒdnŒŒaV {ej U àhUVm ŒŒe.

{dŒmŒŒm AZŒd {dŒdnŒr AUŒŒZ KŒHŒŒmŒ gnŒS>Kncndr. AZŒd knZnŒŒm aMZŒmŒ d knZ HŒŒŒ' nŒVr RdÉŒmŒ CnŒŒ\$ RaVo AZŒd HŒVerc AgndŒ. "H\$eSZ {eH\$Œo hr {eH\$dÉŒmŒ gdnŒ à^ndr nŒV Anho 'mŒ AZŒdnŒ {d{dYVm Agndr. ZdrZVm Agndr. gŒŒm AZŒdnŒV JŒmŒŒŒm AZŒdnŒSŒ{dŒmŒŒm di drV OndŒ

AZŒd ho dnŒV KŒZnŒo AgVnŒ. AZŒdnŒr 'Œo 'ŒhVr gŒŒ hŒŒŒ. ÉŒŒm AnŒ' {dŒdnŒ {' i VnŒ H\$ŒU ho I ao AgVnŒ. EbŒsd 'ŒhVrVZ gŒŒŒŒm nŒi>hŒV Znhr. Vr HŒdi KnŒŒŒ\$ RaVo CXm SŒŒa, Xar, KnŒ> qI S> nŒŒ B. gŒŒŒŒm àÉŒj nŒŒZ cdH\$Œ g'OVrc H\$ iŒm»Œm nŒŒ> H\$eSZ? iŒŒŒŒŒm 'ŒmŒ Vr, dnŒV gŒZŒŒ VgM ej {UH\$ gŒŒZŒ ~ŒŒŒŒ àH\$Œn, HŒVr, CnH\$', àÉŒŒŒj H\$ àŒŒŒ B. 'nŒŒŒ' nŒŒ AZŒd HŒVrVZ {eH\$ŒŒcm {' i Vo AmeŒ enŒUo {dŒŒŒU H\$Œo ho {dMna{HŒŒcm MncZm d H\$ŒnH\$VŒcm dnd XÉŒmŒŒ CnŒŒ\$ RaVnŒ.

2.8 HŒVŒŒ AUŒŒZ nŒVr'ŒŒŒ{ej H\$ŒŒ ^Œ' H\$Œ:

knZaMZndnŒr {dMnaGaUr emcŒŒ dJnŒŒŒŒ CvadnŒŒŒr AgŒ Va dJŒMZm {eH\$dÉŒmŒ nŒVr, {dŒmŒŒm 'mZ{gH\$Vm VgM {ej H\$ŒŒŒm ^Œ' HŒVhr AmŒŒŒŒ ~Xc H\$Œndo cmŒVrc. {dŒmŒŒŒ ŒŒŒŒ{eH\$ŒŒmŒ CÉgnŒ {Z' nŒ H\$ŒUmam {ej H\$ Z, \$M HŒVerc, {Z'Œr, {dMna, A{^iŒŒŒŒ ŒmŒ H\$Œg YaUmam Agndm {ej H\$ŒŒŒm ^Œ' H\$Œm gŒŒ^H\$ŒŒŒ AgŒr nŒhŒo AUŒŒZ à{HŒŒm gnŒr d ghŒ H\$ŒŒŒŒŒ AUŒŒZ AZŒdnŒŒ ŒŒŒZm H\$ŒUmam Agndm 'mŒŒŒŒ hm àŒH\$, CnH\$' erc, {d{dYŒŒ AZŒd XÉŒmŒŒ H\$ŒnH\$, {dŒmŒŒŒm {eH\$ŒŒmŒ gŒŒr CncŒY H\$eSZ XŒŒm, {dŒmŒŒŒm A{^iŒŒŒŒŒŒ nŒWnZ XŒŒm {dŒmŒŒŒm nŒVŒŒ nŒod JŒŒŒ {eH\$ŒŒmŒ gnŒŒ d gŒŒr XŒŒm, {eH\$ŒŒmŒ AZŒŒ\$ gŒŒZŒCXm

nñVH\$ JØV, ÑH\$, I mēŋ gñYZo ej {UH\$ gñhĒŋ CncāY H\$ēSZ XbUñam Agñdm {dŪmīŋñMm AnĒ' gŷ' nZ OnmngUñam, ~rOē\$ñ j 'Vm 'Ōc{dUñam Agcm nñhOo

gñ^H\$ hm 'wcnŋm dŋñO>d nŋŋñZ ŋñMm Aāŋŋ H\$ēSZ KOH\$ñŋr OBBŋñZo Amī Ur H\$ñUñam {ZŋñOH\$ Agñdm

| nñŋ{aH\$ nŌVrZo{eH\$ dUñam{ej H\$ | H\$ŋŋñ\$ AUŋŋñZ nŌVrUñao{eH\$ dUñam {ej H\$ |
|---|--|
| <ul style="list-style-type: none"> • dVZdnKr | <ul style="list-style-type: none"> • aMZndnKr |
| <ul style="list-style-type: none"> • àmŋ ŋñZoŋŋñZ nŌVrMm dñna H\$ñUñam | <ul style="list-style-type: none"> • JO>AUŋŋñZ, ñdŋŋ AUŋŋñZ nŌVrVZ {eH\$ŋñModnVndaU {Z' nŋ H\$ñUñam |
| <ul style="list-style-type: none"> • 'wcnŋm gñŋUohr ^ŋ' H\$ñ | <ul style="list-style-type: none"> • 'wcnŋm gñŋĒŋŋ, àiZ {dMnaĒŋŋ CĪñaoenŋĒŋŋ àdŋñ H\$ñUñam |
| <ul style="list-style-type: none"> • 'wcnŋ' nñ à'ñ àhUŋ C^m AgUñam | <ul style="list-style-type: none"> • {dŪmīŋñMm ~nOŋcm C^m anñZ Ēŋñŋññ { 'gi ŋ gññeŋ H\$ñUñam |
| <ul style="list-style-type: none"> • '\$\$ nñRēññVH\$ñVZ 'ññVr gñŋUñam | <ul style="list-style-type: none"> • 'wcnŋm 'ññVr enŋĒŋññMo knZ { 'i {dĒŋññMo 'ññ Xññ {dUñam, OBBŋñOBBŋñZo H\$ŋr H\$ñV 'wcnŋm g' Oŋ Kñŋŋ 'XV H\$ñUñam |

2.9 àñVñ gññZñModd i nU :

gññZ H\$ñ^H\$ñV AgVñZñ gññH\$ñcm nñdñmñdñr gññŋŋV gññhĒ`ñMm d nŋŋ[©] gññZñMm Cñ`ññ hññ/ AgVññ gññZ g_ñ`m Ra{dĒ`mngŋŋ Va AJXr {e\ŋñer H\$ñĒ`ññ`V gññH\$ñcm gññŋŋV gññhĒ`ñMm d gññZñMm Amññdm _ñŋŋeŋŋ RaV AgVññ àĒ`ññ\$ gññH\$ñ ñdV..Mr gññZ g_ñ`m {ZdSññZñĒ`ñMm {d{ei>C{ŌiñRa{dVñod Ē`ññ_nŋO OBB`ñOBB`ñZo _ñŋŋ_U H\$ñVññ àhUŋŋ àĒ`ññ\$ gññZ hoZññdŋ`ñŋŋ^AgVo àñVñ gññZñMo dñ i nU honññcà_nŋOgnñVñ`Bē.

- 1) àñVW gēnVZ ho nUo {Oëhm n[afXA`m àñV{H\$ emi Vrc B`Îmm XgarA`m {dÚmì`nMm {dMna H\$S Hôco Anho nÿ©gēnVZnV Ago Antî co H\$ ~hVnêr gēnVH\$Zr ehanVrc àñV{H\$/_nÜ`{H\$ emi Vrc B`Îmm n(hcr, ZddrA`m {dÚmì`nRnR gēnVZ Aä`ng Hôcm Anho
- 2) nÿ©gēnVZm_Ü`o ehar ^nUvrc emi nMm {dMna Hôccm {Xgcm; naYw gXa gēnVZnV nUo{OëønVrc ^m `m AnXdngr Vmcs`nMr gēnVH\$Zo{ZdS>Hôcr ho àñVW gēnVZnMo_hÎdnModoli nU Anho
- 3) nÿ©gēnVZm_Ü`o B\$UOr, J{UV, {dknZ `m {df`nla H\$Vr`P\$ AÜ``Z nÖVtMm Aä`ng ~è`nM gēnVH\$Zr Hô`nMo Antî co naYw àñVW gēnVZm_Ü`o B`Îmm XgarA`m {dÚmì`nla H\$Vr`P\$ AÜ``Z nÖVtMm _anRn d J{UV {df`n`m gēnVZndarc narUm_H\$naH\$VMm Aä`ng H\$aE`nV Amcm Anho ho àñVW gēnVZnModoli nU Anho
- 4) àñVW gēnVZnV gdj U nÖVrMm dma Hôcm Anho _mì H\$hr nÿ©gēnVZm_Ü`o \S\$ VrcZnE`H\$ nÖVrZoAä`ng Hôccm {Xgz `Vno
- 5) àñVW gēnVZnV gēnVH\$Zo H\$Vr`P\$ AÜ``Z nÖVr am-{dVmZm {ej H\$ d _w`nÜ`mH\$`nZm`Ujè`m ASMUr g_OZ KVcè`m Anho ho BVa nÿ©gēnVZm_Ü`o \S\$agoAntî coZnhr.

2.10 g_nam :

àñVW àH\$aUnV BVa g\$SYV gēnVZo BQaZodarc gēnVZo g\$SYV gmfhE`nVrc nñVHô, _mfGHô, XZ\$XZ dÎmÎoVgM àñVW gēnVZnModoli nU `nda MMnPHôccr Anho gēnVZ nÖVrMr _mfhVr nñc àH\$aUnV {Xccr Anho

àH\$U - 3

gēnYZnMr H\$ηñÕVr

àH\$U - 3
gēnYzMr H\$ññÖVr
AZH\$ {UH\$m

| A.H\$ | Vn{ec | nñ>H\$ nñ\$ |
|--------------|--|-----------------------|
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àH\$U 3

gënyZnMr H\$ññÖvr

3.1 àñVmlZm:

gënyZ H\$aV AgVnZm gënyZ g'ññm {ZpíMV H\$aUo AndíñH\$ AgVo ñm H\$ññÖvr' Üñlo ej {UH\$ gënyZnMm AW? gënyZnMo 'hîd, VgM gënyZ H\$aÉñmgnR\$ dñaccr nÖvr, Z'wm gënyZnÄñm 'ñhVrÄñm gñ\$CZmgnR\$ dñaccr gmYZo VgM gënyZnMr H\$ññÖhr H\$er H\$cr, ñmMr 'ñhVr {Xccr Anho

gënyZ g_ñ`m {ZpíMV Pñè`nda gënyZmgnR\$ È`nZmna H\$ññVr nÖvr {ZdS\$Mr ho RaVo ej {UH\$ gënyZnÄ`m {Za{Zamññm nÖvr Anhv. ho gënyZnMo H\$ñ_ gñ H\$aÉñmñdu gënyH\$ñcm `m nÖvtMr Mññcr ññhVr AgUo JaOMo AgVo gënyH\$ñzo Amncr gënyZ nÖvr {ZpíMV Ra{dUo ho gññgënyZ à{H\$ Vrc AE`y _hîdnMo H\$ññ`Anho qH\$-hñm gënyZ nÖvr{df`r {ZpíMV {ZU` KWè`ñedmì nññc ññhVr gñ\$CZ à{H\$ cm OmUo ññññ RaV Znhr. àhUOM gënyZ nÖvr hr l èñm gënyZnMm H\$Um Anho

gënyH\$ ñdv..Äñm gënyZnMm {dfñ AnñU ÈñmMr C{Öi`àW' Oòhm {ZpíMV H\$aVno Vòhmñ ñm C{Öi`Äñm nyVgnR\$ AnnU H\$ññÉñm nÖvrZo gënyZ H\$andññmo ññmñhr {dMna Èñmcm H\$andm cmJVno gënyZnMr Vño d gmYZo {ZdS\$Z, VgM Z'wm {ZdS>H\$S\$Z 'JM àÉñj H\$ññÖhrccm gñ\$dm/ hñño

3.2 gënyZ gñ\$ñZm:

{dÜremñ Vrc EI nÜm OmUdcè`m g_ñ`g\$ÿr d g_ñ`è-m-V dñVpñWVr enñUo {ZiH\$F`H\$ññUo AnñU H\$ñhr Vîdo{ZYññV H\$aUo`mgnR\$ KWcè`m nÖvera d dñVñZö>enñ àhUOogënyZ.

gënyZ gñ\$ñZm kmñ hñññmgnR\$ gënyZnÄñm {d{dY ñññññm 'ñhVr H\$S\$Z Kññ JaOMoAnho {d{dY VÁknñr gënyZnÄñm H\$ccèñm ñññññm nñññcà`nUo:

""gënyZ àhUOoZdrZ knZ àná H\$aÉñmgnR\$ H\$ccm gñññdññWV àññEZ hñññ."'

- aδ>Z.

"Research may defined as a careful, critical enquiry or examination in seeking facts or principles, diligent investigation in orderd to ascertain something" - Ghosh, 1986, Pg. no. 305

"A careful investigation on inquiry specially through search for new facts in any branch of knowledge." The Advanced learner dictionary.

"Research is a process of steps used to collect and analyze information to increase our understanding of a topic or issue."

- John W. Creswell (internet - Wikipedia)

Research is a careful, Systematic and objective investingatio conducted to obtain valid facts, draw conclusions and establish principles regarding and identifiable problem in some field of knowledge.

- Clarke and Clarke

gēnYZ āhUOo {Z` §IV n[apñWVrV Hōcē` m {Zarj Unñr ZñK d dnVfZō> VgM nÕVera {dícfU, Á` m_wi ogm_ný` Vîdq {Z` _, {gÕñV An(U gñSēnZm {dH\$gV hnñV, Á` nñM Cn` nñ KQZm/āg§ ` nñM AñO ~ñÉ` ng An(U H\$ñ(MV È` nñ` nñda {Z` §U RñÉ` ng hnñ\$ eH\$Vno

Research is a systematic and objective analysis and recording of controlled observations that may lead to the development of generalizations, principles, theories and concepts, resulting in prediction for seeing and possibly ultimate control of events.

- J. W. Best

(_rZc ZadUq 2016 nñZ Z§ 9)

Zg(Jñ\$ KQZñ Yrc JñrV Yacē` m gñ\$ Yñ\$ m-V VñññÉ` m _ñ\$ cē` m JññVññMm nÕVera, {Z` §IV, {Zarj U d à` nñ ` nñda Anññccm {MñH\$gñ\$ enñ āhUOo dñññZH\$ gññYZ.

Scientific Research is systematic, controlled, empirical and critical investigation of hypothetical propositions about the presumed relations among natural phenomena.

- Kerlinger
(_rZc ZadUq 2016 nmZ Z§ 9)

3.3 ej {UH\$ gēnVZ :

""ej {UH\$ dnVmdaUnV AnMaUnMo emó {dH\$gV H\$E'ingnR; H\$ccm CnH\$' qH\$dm H\$Vr ahUOovej {UH\$ gēnVZ hnŋ}.""

- OnZ ~ñ0>

""ej {UH\$ gēnVZ ahUOovej {UH\$ j ðnV H\$ccm Aä'ing qH\$dm enVH\$ŋ}©

- J6>

(Xol, H\$CH\$Uu, 2013. n¥ H\$. 7)

""ej {UH\$ gēnVZ ahUOoAer H\$Vr H\$ Or ej {UH\$ n[apñVrV' Ü'qlo dVZ'emónA'ŋm {XeZozV' mZ Pmccr AgVo A{Ve'ŋ à^ndr nÕVrZoAmncr Ü'qlo àná H\$E'ing {ej H\$ŋg 'XV H\$UmoknZ àná H\$E\$Z XÜjoho'ŋm emónMoA\$V' Ü'qŋ AgVo""

- 0\$hg©

(q^VnS\$ 2009 n¥ H\$. 24)

0\$hgZovej {UH\$ gēnVZnMr Or i'ŋm»ŋm da {Xcr AnhoE'ing ej {UH\$ gēnVZnMo XnZ hV'gñ\$JVcoAnhV.

1. ej {UH\$ n[apñVrV àJVr gmYUo
2. {ej H\$ŋcm AmncÜ'qŋ àná H\$E'ing Andí'ŋH\$ AgUmoknZ XÜjoho'ŋm à^ndr nÕVr CncäY H\$E\$Z XÜjoho

"Educational research aims to make contribution towards the solution of problems in the field of education by the scientific philosophical metho."

- F. L. Whitney
(q^VnS\$ 2009, n¥ H\$. 24)

6. {ej Uj ðnV {ZÉ¶ ZdrZ KSÜne¶m ~Xcm ü o ej {UH\$ Aä¶mgH\$' , nnRçnñVHð, AÜ¶¶Z AÜ¶¶mZ H\$¶¶, 'þ¶' mZ à{H\$¶¶ ¶¶mV A{YH J{V' mZVm AnUVm ¶¶¶o
7. {ej Uj ðnVrc V§n¶r Cn¶¶¶\$Vm Ra{dUo hogēnVZnMM gnÜ¶ hnd\$ eH\$Vo É¶¶mgRç ej {UH\$ gēnVZ hndJoAndí¶¶H\$ Anho

3.5 ej {UH\$ gēnVZnMoàH\$:

gēnVZn¶¶m hVpde\$Z ej {UH\$ gēnVZnMo àm ¶¶¶mZo VrZ àH\$¶a nS¶¶mV. Vo àhUOo '¶¶^¶, Cn¶¶¶OV An{U H\$VrgēnVZ.

1. '¶¶^¶ gēnVZ :

'¶¶^¶ gēnVZn¶m '¶¶ hVym àM{cV knZnV ^a O¶H\$UoAgVno "knZngRç knZ' ¶¶m hVzo'¶¶^¶ gēnVZ HçcoOmVo ¶¶mV É¶¶m¶¶m Cn¶¶¶DZnda ^a ZgVno

2. Cn¶¶¶OV gēnVZ :

EI nXr VÉH\$¶cZ g' ñ¶¶m gnç{dÉ¶¶mgRç Oo gēnVZ Hçco OmVo É¶¶mg Cn¶¶¶OV gēnVZ àhUVmV. ¶¶mV {gÖ¶¶m¶m Cn¶¶¶ HççZ g' ñ¶¶m gnç{dUo hnd '¶¶ hV AgVnoAn{U knZnV ^a KmcUohoX¶¶' C{Öi>AgVo

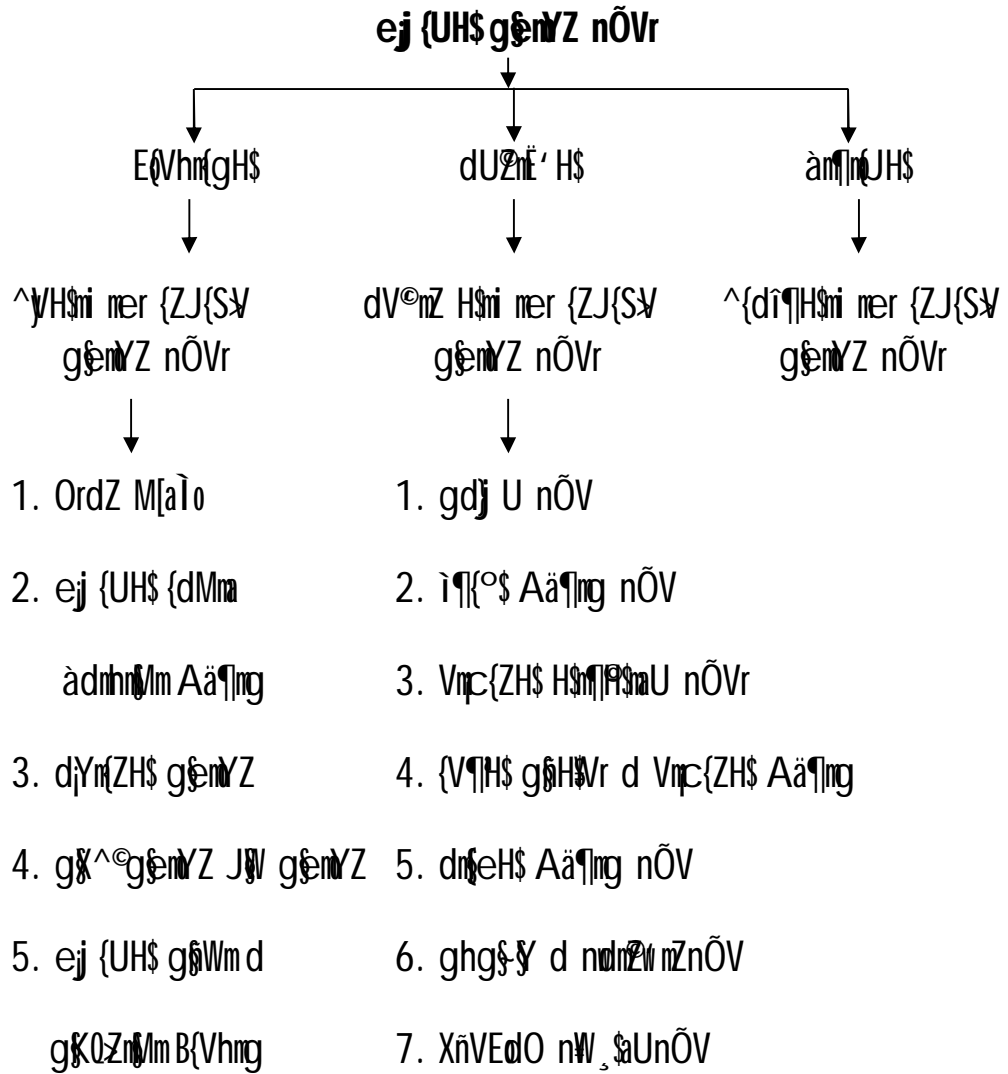
3. H\$VrgēnVZ :

Annē¶m ì¶¶dgn¶¶mV/ nenV gV¶¶Um ìhndr ¶¶m hVzo{ej H\$/' ¶¶¶¶¶¶mH\$/n¶¶¶¶ H\$ B. Zr HçcogēnVZ àhUOb\$ H\$VrgēnVZ hnd¶.

(Xol, HçcH\$Uu, 2013, n¶ H\$.42)

3.6 ej {UH\$ gēnYZnĀŋmnŌVr :

ej {UH\$ gēnYZnĀŋmnŌVrMo nĪrcā' nĪo VrZ {d^mJnV dJuH\$U HĪco OmVo Vo
I nrcrc ādnh AnH\$VrV Xml dĪcoAnho



EŋVhmŋGH\$ gēnYZ nŌVr, dUZhĒ' H\$ gēnYZ nŌVr, ānŋnĪUH\$ gēnYZ nŌVr,
gdj U nŌVr BĒŋnXr gēnYZnĀŋmnŌVrH\$ŋŋZgna ŋnĪnĪ nŌVrMm Adc\$ H\$e\$ Kŋcm Om/no
ānŋVŋ gēnYZ hodV©H\$ni mer gŋ\$ŋV AgēŋmZodUZhĒ' H\$ nŌVrVrc gdj U ŋm
nŌVrMr gēnYZnĀŋmnŌVr{ZdS>HĪcr Anho

3.6.1 gdj U nŌVr :

gm̄ m(OH\$ gēnVZnV A{YH\$V ' m(hVr {' i {dĒŋmgnR\$ gdj U nŌVr A{Veŋ
' hîdnMr ' mZcr OmVo {M{H\$ĒGH\$ nnhUr H\$aUo ahUOo gdj U hndŋ. (dānŌa H\$ŋCŌ
{dīdH\$ŋf) AMH\$ ' m(hVr XŌmar {M{H\$ĒGH\$ VnmgUr ahUOogdj U hndŋ.

{d{ei>{R{H\$ŋUĀŋm n[apñWVrMm H\$ccm gI nC Aäŋmg ahUOogdj U hndŋ.

gdj Umcm B\$Ōr_Ū`o survey Ago ahUVmV. hm eāX 'sur' d 'veoir' `m XnZ
eāXnŋmgZ ~Zcm Anho sur `nMm AW©H\$ĒZ AnŋU veoir ahUOo nnhUo Agm Anho
ahUOM survey `m eāXnMm EH\$ĪV AW©H\$ĒZ nnhUo AWmŋ {M{H\$ĒGH\$ nnhUr H\$aUo
Agm hnd.

gdj U ahUOo àM{cV d A{YH\$V ' m(hVrMo gŋ\$CZ, dUŋ, ñiri\$H\$aU AnŋU
_ē`nŋ\$Z AgVo

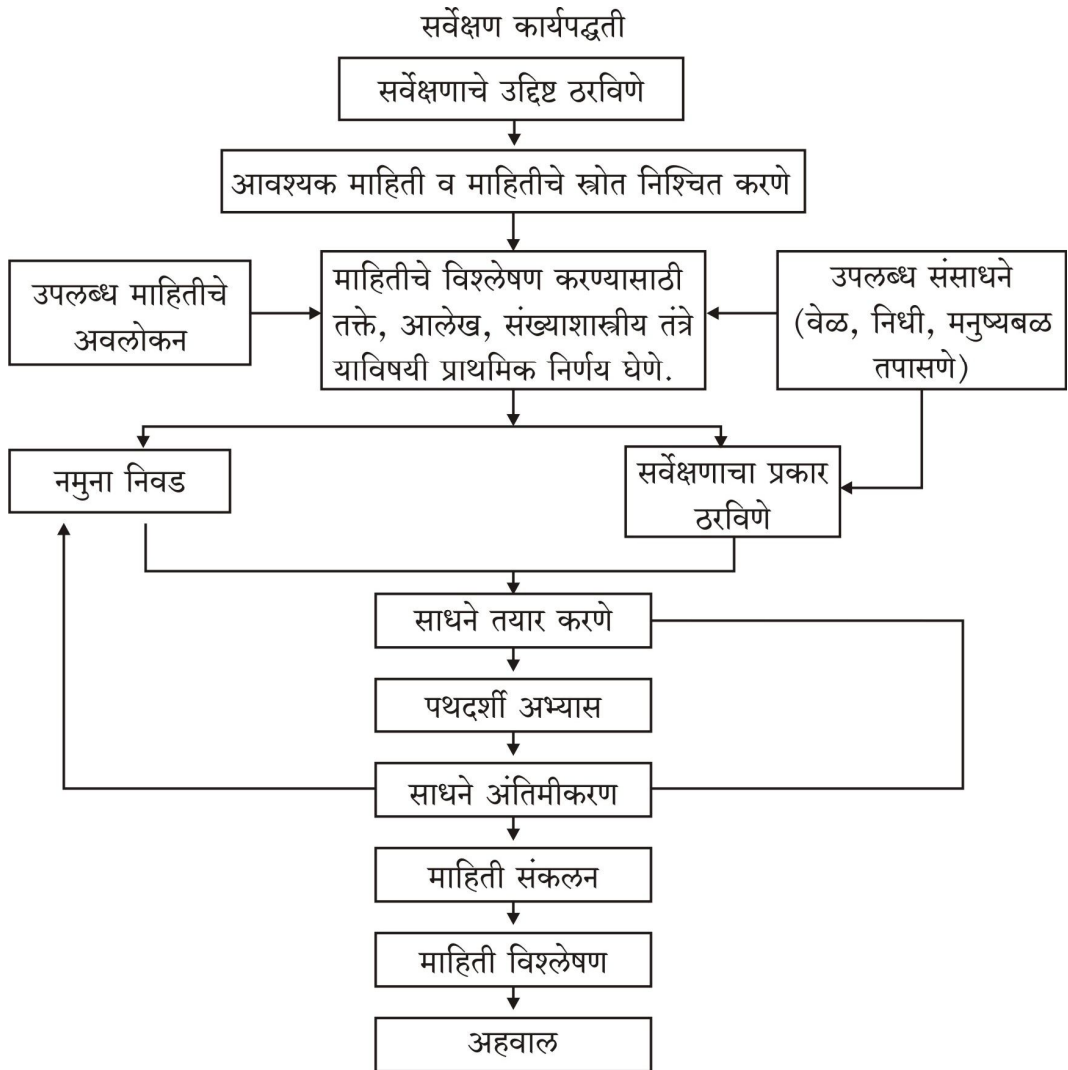
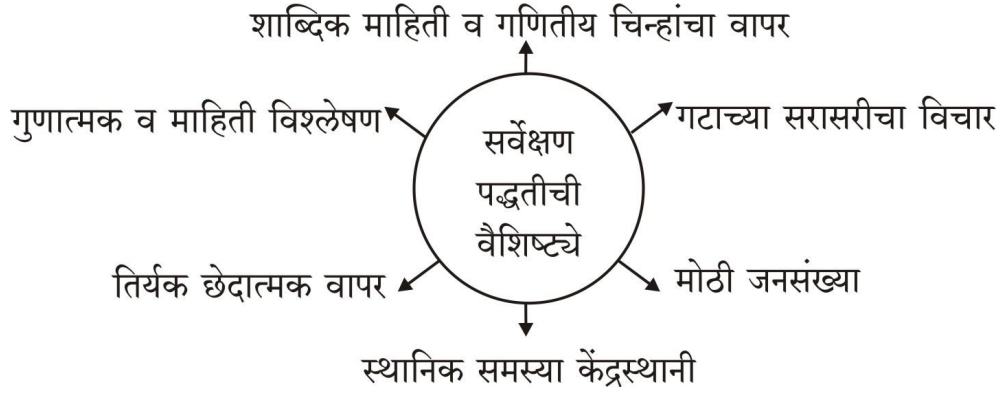
gdj Um_Ū`og_ñ`Ā`m {ZdS\$ŋmgZ VoAhdrc cd Zm`V AZH\$ nm`è`nŋM ŌBŋŋmZo
{dMma H\$andm cmJVno ahUŋ gdj U hr EH\$ à{H\$ m Anho gdj U `ēndr hnd`mgnR\$ gŋŋmŋŋ
`nŋ Ago{Z`nŌZ H\$andocmJVno

dUŋĒ_H\$ gēnVZnVrc gdj U nŌVr hr AĒŋŋV _hîdnMr ' mZcr OmVo Ēŋm ŋ oŋm
nŌVrMm A{YH\$ à`nUmV Cnŋŋm H\$cm OmVno

`m nŌVrV EH\$m {d{ei>H\$ŋcndYrVrc n[apñWVrV, _nŋŋm Z`ŋ`nH\$ŋZ _m(hVr
gŋ\$CZ H\$co OmVo gŋ\$Cv _m(hVrMo {dīcŋU H\$co OmVo Ē`ndēZ {ZĪH\$ŋŋŋŋZ Ē`nMo
gm_ŋŋ`rH\$aU H\$aĒ`mV`Vo

{ej U j d nVrc gēnVZnVrc gdj U nŌVrMm OmñVrV OmñV dma H\$ccm Anŋŋŋ ŋ
ŋŋVno H\$aU `ndēZ gdj U nŌVrZo H\$ccm`m gēnVZnVrc ŋ o {ej UmVrc gŋŋ pñWVr OnUŋ
KŌZ ^{dī`nVrc ej {UH\$ pñWVr qH\$~hŋm gm_m(OH\$ n[apñWVr A{VCĪm_KS{dĒ`mg
'ŋŋŋXera RaVo

gdj U Aä`mgnV dV©mZH\$ŋi mgnR\$ Cn`nŋr Rac Agm ^ŋH\$ŋi mVrc
n[apñWVrMnhr {dMma H\$ccm OmVno AnŋU `nVŋM ^{dī`nH\$ŋi mVrc àJVr gmŋĒ`nMm {dMma
H\$ccm OmVno



H\$UÈ` nhr àH\$mMogd] U Agno gd] UnMr i` mâr {H\$Vrhr _nr qH\$dm H\$_r Agno
gd] Um_Ü`o {d{ei> H\$m ÑÖVr dmandr cmVVo darc {Xcè`m àdrh AnH\$VrV (flow
chart) gd] U H\$m ÑÖVr I yM gsj á énm/ {Xcçr Anho àÈ` j gd] U H\$VnZm `m

H\$ñ ÑÖVrMr A\$ c~OmdUr H\$aUo l ò ñH\$a RaVo H\$ñUÈ`nhr gdj UmgnR\$ àiZndcr, àiZgMr, _wcm nV, MnMUr, nSVmi gMr, enYH\$m, lUr, ànÌ BÈ`nXrnH\$ EH\$ qH\$dm EH\$ngj m A{YH\$ gnYZodmndr cmJVnV.

gdj UmMoC{Ói>ho{d{ei, Zo_HñUnZoAn(U gd©JmñMm {dMna H\$EZ _n\$ndo cmJVo È`nzYaMr _hîdnMr ~m- àhUOo _m{hVr ónV Ra{dUo hnò. gdj U H\$aVnZm _nR\$m Z_vzm AnH\$na {ZdSÈ`nMm qH\$dm {df`ner g\$-YV AZH\$ JmñMm Aä`ng H\$aÈ`nMm g\$enYH\$cm _nñ hnD\$ eH\$VmonaYwg\$enYH\$ZoAnnè`nH\$S\$c CncāY dō , e°\$, {ZYr, _Zî`~i VgM ñdV..À`m _`nRm d j _Vm BÈ`nXr AZH\$ ~m-tMm {dMna H\$EZ _JM gdj UnMr ì`mār d àH\$na Radndm cmJVno

AenàH\$nao gd© ~m-tMr AÈ¶Y H\$ni OrndP\$ {dMna An(U gdj UnMr ¶mñ¶ H\$ñ ÑÖVr `nMm g¶mñ¶ dnna H\$È`ng {_i Unè`m {ZiH\$fn¶r ì`dhm¶m d Cn`¶SVm dnTy eH\$Vo

3.6.2 gdj U nÖVrMo\`\$ñ Xo:

gdj U nÖVr hr A{Ve` Cn`¶\$ An(U È`nM~ano-a Andí`H\$ Aer nÖVr Anho AZH\$ g\$enYH\$ gdj U nÖVrcnM àmYn` XvñV. `m nÖVrMo\`\$ñ Xo l mcrcà_nJoAnhV.

- 1) `nñ Z_vzm {ZdS>H\$È¶ng gdj U nÖVrVZ ànā PncÈ¶m {ZiH\$fn¶o gm_n` rH\$aU H\$aVm`Vo àhUOM Vo{ZiH\$FÈ`m OZg\$`cm cmJynSVnV.
- 2) BVa nÖVtnj m VncZnÈ_H\$ñiOçm gdj U nÖVrMm dnna H\$aUo `na gmo Anho àm nUH\$ nÖVrV àXrK¶H\$ni Andí`H\$ Agcçm cj J0>gdj U nÖVrV Andí`H\$ ZgVno
- 3) {d{ei>H\$nc l \$azYa VenM àH\$naMo gdj U nñhm H\$EZ {d{dY Mcn\$-m-V VncZm H\$aVm`Vo
- 4) VncZnÈ_H\$ñiOçm H\$_r H\$ncndYrV ^ana `m{hVr Jmñ m H\$aÈ¶ngnR\$ gdj U nÖV Cn¶mñr Anho
- 5) gdj U OZg\$¶m OnñV AgVo
- 6) gdj UnV ñWn{ZH\$ g`ñ¶m gn\$ {dÈ¶mda A{YH\$ ^a {Xcm OnVno

- 7) gdj UngnR {d{dY àH\$naMr gmYZo{Z' nE H\$e\$Z ' n{hVr g{f\$Cv H\$cr OnVo
- 8) gdj U ho'vc^y/ g{enYZng ' n{hVr n{dE{InMoH\$nr H\$Vo
- 9) gdj U g{enYZ hoJUnE' H\$ d g\$InE' H\$ AgoXn{hr àH\$naMoAgVo

3.6.3 gdj U nÕVrÀ{m' q{m:

- 1. gdj UnV K0ZÀ{m H\$naUnMm {dMna H\$ccm {Xgz q{V Znhr.
- 2. gdj U nÕVrZog{enYZ H\$VnZm d{ , I ' , ngm A{YH\$ cmVno
- 3. gdj UnV gn{> q{H\$H\$U, gnaUrH\$U H\$E{ng OnXm d{ cmVno
- 4. gdj UnV ' \$na ' n{e{m à' nUnV ' n{hVr g{f\$CZ H\$andocmVno
- 5) gdj UnV _n{hVr hr ànr {InZo Ancd , gnaE`m `m énnV ' n{e{er OnVo È`m {dUmeml Vrc {gÕVmer È`mMm g\$Y OnE`ng g{enVH\$ Ag_WRe\$ eH\$Vno
- 6) gdj UnVZ g{f\$Cv H\$ccr _n{hVr hr È`m H\$ncndYrnaVr ' q{mXV AgVo È`m_Yrc à{H\$ m, ~Xc È`mVZ g_OZ Km q{V ZnhrV.
- 7) gdj UnVZ AZb\$ cmH\$H\$Z H\$di T{e-i ' nZmZo _n{hVr Jn{ m H\$cr OnVoÈ{m{ m o Mcn{df`r gl mc _n{hVr {`i UoX{pnnnV hnbVo
- 8) gdj UnVZ { _i mcÈ`m _n{hVrMr AMH\$Vm Zb_rM {dídgzr{ AgVM AgoZnhr.

^na Vmc{`nVrc Á`m 60 {ej H\$Zr M{B{N{VrgJS>`Wo Aa`ngXram H\$cm hnb/m È`mH\$ n{m {ej H\$Zr n{r{c H\$Vr`p\$ AU``Z nÕVrMo And{q{H\$ à{ej U Kmco hogd© à{ej V n{m {ej H\$ ^na Vmc{q{mVrc H\$oi q{m JndmVrc {Oèhm n[afX ànV{H\$ emi Vrc hnbVo àhUz gXa emi Mr g{enVH\$Zo ànVn`nZo {ZdS>H\$cr. {Oèhm n[afX ànV{H\$ emi m H\$oi `WoB`Înm X{garV {eH\$UmaoEH\$U 30 {dUmVu hnbVo àhUz H\$Vr`p\$ AU``Z nÕVr Z am-{dUnar àhUOM nma{[aH\$ nÕVrZoÁ`m emi V AU`mnZ hnbVoAer emi m {ZdS{mZm {OMm n0> 30 Anho Aem gnani m JndmVrc {Oèhm n[afX ànV{H\$ emi Mr g{enVH\$Zo {ZdS> H\$cr.

^na Vmc{`nVrc 226 emi n{Yrc 1465 {dUm{`nMm àm n{UH\$ {Z`\$I V J0>K0Z È{In{q{mca n{d©d CÎna MnMUr A{^H\$en am-{dUoVgoAE`Y ÎngXm{q{H\$ H\$nr hnbVo È`m{ m o

Cîma MnMUrgrR̄ gēn/H\$Zō Hōdi 60 {dŪmī` nMr gēn/VZngnR̄ {ZdS> Hōcr. āñVW gēn/VZnV EH\$U 30 {dŪmī` qmMoXnZ JO>Vqma HōccoAnhv, ĒqimZYa Xñhr JOz̄m 'anR̄ d J{UVnMr nq̄mMUr Xēq̄mV Amcr. Xñhr JOz̄mH\$ EH\$m JOz̄cm {Zq̄mOV H\$Vr̄q̄m\$ AŪq̄q̄Z nŌVrVrc CnH\$' nq̄' nUo d Xq̄q̄m JOz̄cm nnaq̄m[aH\$ nŌVrZo AŪq̄mZ H\$Ēq̄mV Amco gXa H\$Vr̄q̄m\$ AŪq̄q̄Z nŌVrĀq̄m CnH\$' nq̄q̄m H\$m̄q̄mhrZYa CîmaMnMUr Kēq̄mV Amcr. VXZYa CîmaMnMUrĀq̄m gX^m̄ ABL d NON ABL JOz̄moH\$fo amānq̄mdeZ 'nhrVmo{dīccfU d AWq̄zdM̄Z HōccoAnho edo: gēn/H\$Zōgdq̄mVmaU {ZiH\$foH\$T̄ccoAnhv.

3.7 gēn/VZnMr gnYZo:

gēn/H\$Zō gēn/VZngnR̄ Āq̄m {dfq̄mMr {ZdS>Hōccr Anho Ēq̄m g\$ŷr Andīq̄q̄H\$ AgUñēq̄m {d{dY 'nhrVmo gēn/H\$cm gēH\$CZ H\$andocmJVo Ēq̄mgnR̄ 'nhrVr gēH\$CZnĀq̄m CncāY AgUñēq̄m {d{dY gmYZnq̄ YZ q̄m̄q̄ gmYZnMr {ZdS> H\$Uo Andīq̄q̄H\$ AgVo hr {ZdS> q̄m̄q̄ hñēq̄mng gēn/H\$cm Ēq̄m gmYZnĀq̄m JwXnq̄mMr d 'q̄m̄q̄m OnUrd AgUo Andīq̄q̄H\$ AgVo EH\$ngj m A{YH\$ gmYZnM̄m dma H\$Ēq̄mMogēn/H\$cm ñdmV\$q̄ AgVo hr 'nhrVr g\$ŷm̄' H\$ d Jwñē' H\$ ñdē\$nmMr Agy eH\$Vo q̄m gmYZnMo l mrcā' nUo d JuH\$U H\$Vm q̄m̄o

1. {Zarj U
2. 'vcml Vr
3. à{VgrKH\$ng àiZ {dMmēZ {c{I V ñdē\$nmV 'nhrVr Kēq̄mMoàH\$ma
 A. àiZndcr
 ~. eδεϰ
 H\$. nS\mi m gJMr
 S> Jwñē\$ n{ĪH\$m
 B. 'Zndēmr 'mnZ
4. g' nO{' Vr Vq̄
5. 'mZgemórq̄ H\$gnōcm
 A. àndrĒq̄ H\$gnō

~. A{^¶m¶Vm H\$gn0}

H\$. ~{Ö' mZ H\$gn0}

S> A{^è\$Mr en¶YH\$m

B. i¶{°\$ Îd en¶YH\$m

3.7.1 àíZndcr :

àíZndcr i¶d{ñWV g¶H\$CZ àhU0o àíZndcr h¶¶¶. CncāY àíZndc¶¶m ^è\$Z
Anè¶mZ¶a È¶¶m0o dJuH\$aU H\$aUo Andí¶¶H\$ AgVo d àÈ¶¶b\$ àíZndm g¶¶¶memór¶¶ nÖVrZo
{dMma H\$aUoJaOMoAgVo

š
íZm
d
cr
Mr
dj
{e
iQ&0

1. àíZndcrMr ^mfmgñi>d gmr AgVo
2. g¶e{¶ V cñb\$gnR> Cn¶¶mr AgVo
3. àíZndm H\$ AU¶¶¶Z gñmZgma gmr n¶¶¶H\$S>Z {d{eiñH\$S> d gñb¶¶H\$S>Z
AdKSñH\$S>AgVno
4. àíZndcrA¶¶m ghme¶¶mZo{' i mcr ' r¶hVr dñV{Z>d A{YH\$V AgVo
5. ànW{' H\$ gmr Jk EH\$Ì H\$aÈ¶¶mMr nÖV g' OVo
6. ¶¶mV àíZndMr Vm{CH\$m AgZ Vr ' {DV qH\$dm MH\$' {DV H\$aVm ¶¶mV
7. gd¶¶ dñmZ VÍ¶¶ ' r¶hVr H\$éZ K¶m ¶¶mV
8. g¶en¶H\$a¶¶m Cn¶ñWVrMm à^nd Z nS¶m Cîmaog¶H\$CV H\$aVm ¶¶mV.
9. AZb\$ à{VgnKH\$Zm EH\$M dō r àíZndcr dñ0. H\$aVm ¶¶mV
10. dō d I M°XññhtMr ~MV hñÈ¶¶mgnR> àíZndcr Cn¶¶mr AgVo
11. àíZndcrV X¶er d ZH\$ññÈ' H\$ àíZndm ñWñZ {XcoOnV Znhr.
12. àíZndcrV ~h¶¶¶¶r àíZ X¶m ¶¶mV.
13. àíZndcrdéz gmaUr V¶¶ma H\$aUod È¶¶m0oAW{Zd¶¶Z H\$aUognmoOnVo
14. EH\$M àíZnd XñZ àíZndMr Cîmao ' m{dÈ¶¶mgnR> àíZndcrV ñWñZ {XcoOnV
Znhr.
15. àíZndcrA¶¶m ghme¶¶mZoAä¶¶mg KOH\$ñdf¶¶r ' hîdntj° r¶hVr {' i Vo

(Kma' n6¶ 2008, n¶ H\$. 55)

გენერალური მმართველი გენერალური მმართველი გენერალური, {ej H\$ d _w` nU` mnH\$gnR\$ àiZndcr V`na H\$cr Anho `m àiZndcrV EH\$U n\$am àiZ hno`o àñVW გენერალური მმართველი. 3 da AnYnfav EH\$U 15 àiZ hno`o àiZndcrVrc àE`b\$ àiZnA`m à(VgnXndéZ H\$hr ^mJnMo g\$`nE`H\$ d Caccem ^mJnMoJnE`H\$ {drcfU H\$E`nV Arco

3.7.2 {dUmi qnA`qm (gnXZ MrMUr) :

àñVW გენერალური 'mhrv g\$icv H\$E`qngnR\$ {dUmi qnA`qm 'anR\$ d J{UV {df qnA`qm gnXZnMr 'mhrv {'i dcr. hr 'mhrv {'i {dE`qngnR\$ ABL d NON ABL Úmo AÜqjZ H\$Unem {dUmi qnA`qm 'anR\$ d J{UV {df qnMr 25 JnMr àE`q`b\$ MnMUr (ngl© d Cína MnMUr àiZndcr) Vqna H\$cr.

3.7.3 {ej H\$ d 'w qnA`qm H\$ àiZndcr :

ABL Úmo AÜqjZ H\$Unem {ej H\$ d g\$-YV emi nMo 'w qnA`qm H\$ qnA`qm ASMUr d 'Vo g' OZ Kê qngnR\$ àiZndcr Vqna H\$cr. qm àiZndcrV EH\$U 15 'w\$ àiZnMm g' nde H\$E`qnmV Arcm

3.8 Z' w m {ZdS>nOvr :

""Z' w m qnMm AW© nR\$cm JOwVZ H\$nt`ccm ànV{ZYrH\$ ñdê\$nmMm chnZ JO>hndq. ""

- OnD©d hO>

(q^VnS\$ 2009, n\$ H\$. 82)

""Z' w m àhUOo nndZYNfAV qnOZa' nJo H\$wE`qnhR EH\$H\$A`qm EH\$m g' hmvrc {ZpíMV à{VeV {ZdS`yó'

- ~nndS\$

(q^VnS\$ 2009, n\$ H\$. 82)

""EI nUm 'nR\$cm JOwVZ E`qm JOwMo à{V{Z{YEd H\$Unem H\$hr i`q°\$Mr {ZdS> H\$E`qnmr à{H\$`qm àhUOM Z' w m {ZdS>hndq. ""

- Jo

* Statistical sampling may be defined as a process of selecting a segment of the universe to obtain information of ascertainable reliability about the population.

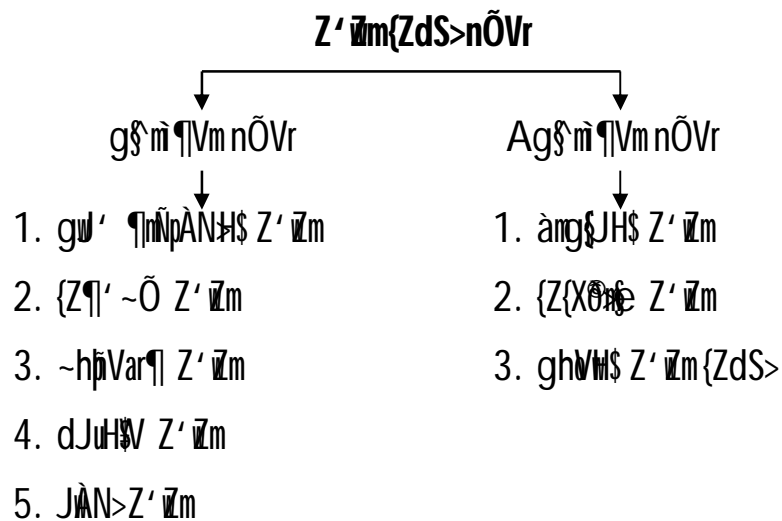
OZg\$`θ0c {dídGZrg Aer _m[hVr { _i È`ngnR\$ È`mVZ EH\$ JO> {ZdSÈ`nMr à{H\$ m`áhU0oZ_ym{ZdS>

âcH\$H\$ An(U âcH\$H\$ -
(_rZc ZadUq 2016 nmZ Z\$ 228)

3.8.1 Z' wim(ZdS>Aqm(d(dY nŌVr :

Z' wim(ZdS>nŌVrMonT\$ c Xniz à' v àH\$nanV dJuH\$U H\$Vm qVvo

1. g\$ m' qVola AmYn[aV nŌVr
2. Ag\$ m' qVola AmYn[aV nŌVr



gXa g\$enVZngnR\$ Ag\$ m' qVm nŌVrVrc ghVH\$ Z' wim {ZdS>H\$ cr Anho àñVW g\$enVZngnR\$ dnmaccr Z' wim{ZdS>nŌVr -

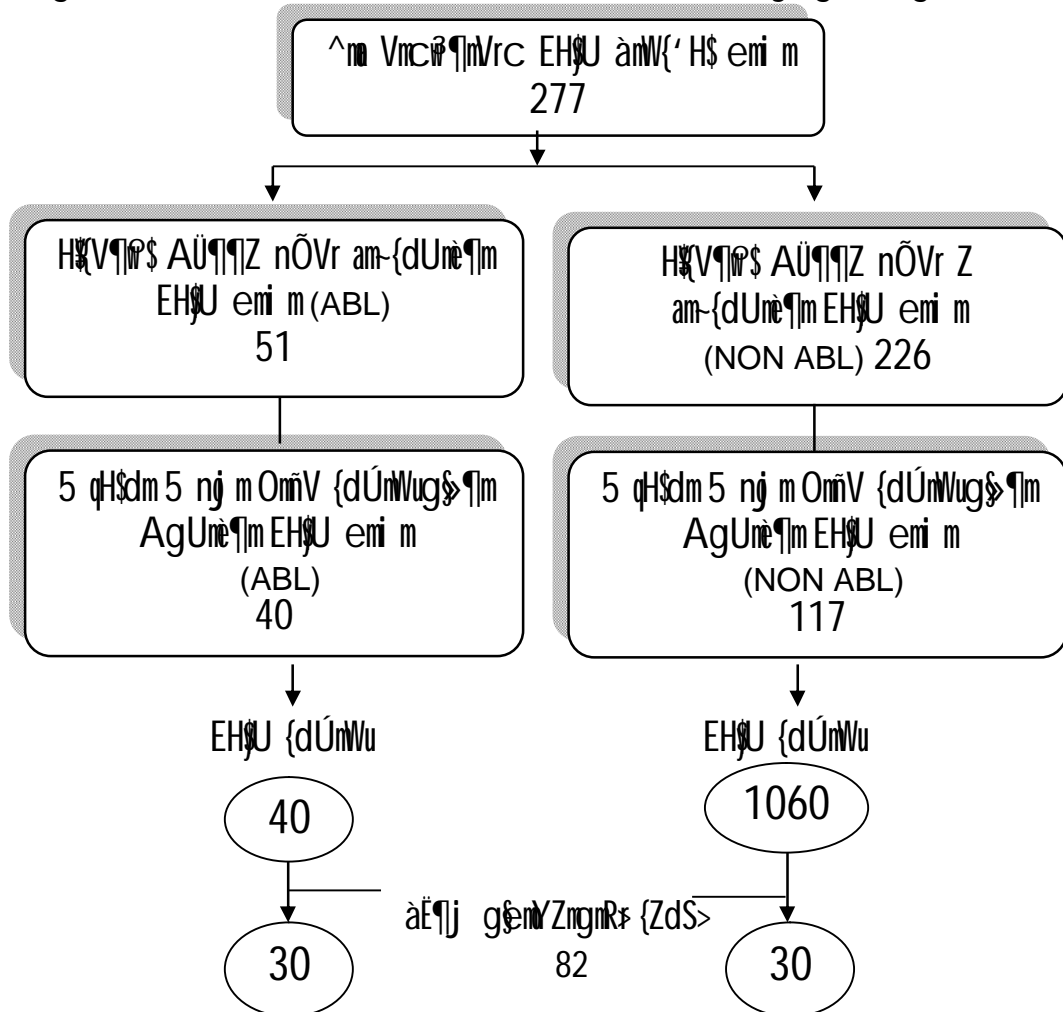
3.8.2 ghVH\$ Z' wim(ZdS>nŌV :

qim nŌVrV g\$enVH\$ Annēqim C{Ōi\$Zgma à{VgnKH\$ {ZdS>VnoOoà{VgnKH\$ C{Ōi\$Wug Aqim q AgVrc Èqim g\$enVH\$ Oxi Vno Oo qim AgVrc VM {ZdS>Vno g\$enVH\$rcm OZg\$ qim {ZpíMVnUo kmV Anho Ago JhV Yaco OnVo Èqim Yv g\$enVH\$ ñdV..Àqim g\$enVZ C{Ōi\$Zm ngH\$ RaUmaoà{VgnKH\$ {ZdS>Vno

3.9 Z'wim:

nulo {0eøn/rc ^na Vmci¶¶m/rc gdnV AmYr H\$V¶¶\$ AU¶¶Z nÕVr (ABL) am-{dcr Anho Jmr rU ^m/rc A{YH\$ gj 'Vzo gdnrc¶ {ej U d ànV{ 'H\$ {ej UnMo gnd¶¶H\$H\$U g¶¶enZm ê\$Ondr àhUz hr ABL nÕVr ndrH\$ma cr. gZ 2010-11 nmgz ^na Vmci¶¶m/rc {ZdS>H\$ emi n\$ U¶¶oB. 1 cr Vo4 Wr À¶¶m {dÚm¶¶m/rc¶ hm nWXeu àH\$en am-{dcm OnV Anho È¶¶m w o g¶¶enVH\$zo gZ 2014-15 ¶¶m ej {UH\$ d¶¶m ^na Vmci¶¶m/rc ABL am-{dÚm¶¶m 51 emi n\$H\$ Á¶¶m emi Vrc B¶¶¶m XgarMr n0g\$¶¶m 5 qH\$dm 5 n\$ m OnñV Anho Aem 40 emi n¶¶r {ZdS>H\$ cr AnU ^na Vmci¶¶m/rc H\$V¶¶\$ AU¶¶Z nÕVr Z am-{dÚm¶¶m 226 emi n\$H\$ Á¶¶m emi Vrc B¶¶¶m XgarMr n0g\$¶¶m 5 qH\$dm 5 n\$ m OnñV Anho Aem 117 emi n¶¶r {ZdS>H\$ cr.

naYwaÈ` j g¶¶enVZmrc¶ hoAeŠ` hnVoh\$maU gd¶¶ej H\$ ABL à{ej V ZihVod È`m_w o `Urao {ZiH\$F`{dídgzr` AgÈ`nMr eŠ`Vm H\$_r dn0cr. àhUz Á`m emi Mr n0g\$`m 30 hnVr Aem ABL d Non-ABL XnZ emi n¶¶r àÈ` j g¶¶enVZmrc¶ {ZdS>H\$ cr.



àÈ` j gèN`Z

| \$H& | \$ABL emi m | \$(dUmU g\$` m | \$àÈ` j gèN`Z |
|------|-----------------|----------------|---------------|
| | \$EHU 40 emi m | \$ 405 | \$ 30 |
| \$H& | \$NON ABL emi m | \$(dUmU g\$` m | \$àÈ` j gèN`Z |
| | \$EHU 117 emi m | \$ 1060 | \$ 30 |

gXa gèN`Z àH\$ènmV H\$VqR V AÜqQZ nUXVr am-{dUnèqIm EH\$Z 51 emi n\$ Yrb gd©H\$H&V AgUnèqIm EH\$U 67 'wèqImH\$/{ej H\$ qImR gXa nUXVr {dfqImR 'Vo OnUj KèqImR {ZdS>H&or. H\$hr emi n\$Mo 'wèqImH\$ hM {ej H\$ àhUj H\$H&V AnhV, Va H\$hr emi n\$ ÜqoEH\$ ng m OmV {ej H\$ H\$H&V AnhV.

3.10 àÈqj H\$H&or :

ànVW gèN`Zm ÜqodUèÈ' H\$ gèN`Z nÖVrMm dma H\$ÈqImV Ancm Anho

ànVW gèN`Z nîc nîqImZyMa H&coAnho

1. g\$-YV gMhÈqImMm AmT`dm KVcm
2. {dUmU qImR` anR` d J{UV {dfqImR MnMUr VqIma H&cr.
3. {ej H\$ d 'wèqImH\$ qImqImR` àiZndcr VqIma H&cr.
4. 'n(hVr g\$ScZ H&co
5. 'n(hVrMo{dícFU d AWZdMZ H&co
6. Ahdnc VqIma H&cm

3.11 g'ram :

ànVW àH\$Um Üqo gèN`Z g\$ènmZm, ej {UH\$ gèN`Z d gèN`Zm`m {d{dY nÖVrMm WnS`mV _n(hVr {Xccr Agj, ànVW gèN`ZmV gdj U nÖVr dmacr Agè`nzo È`m-ÔcMr WnS` g{dnVa _n(hVr Xè`nMm à`ÈZ H&ccm Anho

_n(hVr g\$ScZ H\$ÈqImR` dmaÈ`mV Ancè`m àiZndcr `m gmYZnMr _n(hVr gXa àH\$UmV ñni>H&ccr Anho VgM Z_wm {ZdS`Mo_hTd, gèN`ZnMr H\$H&or àÈ` j H\$er H&cr. `mMoQ\$no{XccrAnhV.

nîc àH\$Um Üqog\$cv 'n(hVrMo{dícFU d AWZdMZ H&ccm Anho

àH\$U - 4

'ñhVrMog\$CZ, {dícU

d AWZdMIZ

àH\$U - 4
'm{hVrMo{dícU d AWZdM
AZH\$ (UH\$m

| A.H\$ | Vn{ec | nŃ>H\$ nŃ\$ |
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| 4.1 | ànVndZm | 86 |
| | 4.1.1 'm{hVrMo{dícU d AWZdM | 86 |
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àH\$U 4

'nfhVrMogH\$CZ, {dícfU d AWZdMIZ

4.1 àñVndZm:

àñVW àH\$UnV gēnVH\$Zo gH\$Cv Hōcēſm 'nfhVrdē\$ 'nfhVrMo {dícfU d AWZdMIZ HōcoAnho àiZndcrÀſm 'XVrZoJni m Hōccr 'nfhVr ſm gſſmemórſ nŌVr dmnē\$ {dícfU Hē\$ EſmMonVWH\$U HōcccoAnho 'nfhVrMo{dícfU H\$VnzmgēnVH\$Zo gēnVZnÀſm C(Ōiſm AZgē\$ n[auſm H\$naH\$Vm A{Veſ ſm nŌVrZo 'n\$ccr Anho AnſU ſmZgna Amcēſm gnaUrdē\$ gēnVZn(dfſrMoAWZdMIZ HōcccoAnho

gXa gēnVZnV, nſ d CĪna MnMUrÀ`m Aä`ngndē\$ {dŪmĭ`nÀ`m {df` gſmXUm\$Mm Aä`ng d àiZndcrÀ`m Aäſngndē\$ ^no VncſſmVrc {Ōehm n[afXAſm emi Vrc {ej H\$ d 'ſmſmH\$Zm H\$Vrſm AUſſZ nŌVr am-{dVnzmgēnVſm ASMUtMm Aäſng Hōccm Anho

4.1.1 'nfhVrMo{dícfU d AWZdMIZ :

'nfhVrMo{dícfU :-

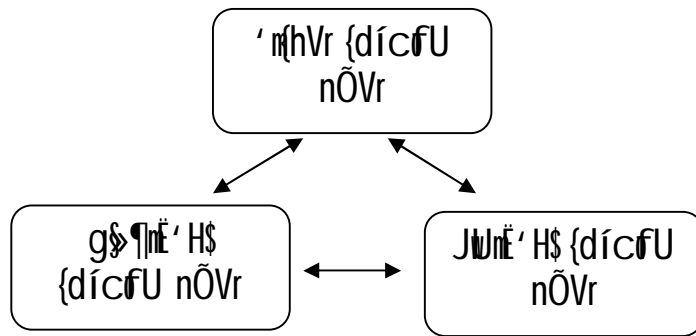
gH\$Cv 'nfhVrMo{dícfU àhUŌoEH\$ſV Agccr 'nfhVr dŌdŌi r H\$Uohmſ d EſmZgna C(Ōiſm àmār hno H\$ſ, Vo nnhUſ {Za{Zamſm nŪXVrZo {'i dccr 'nfhVr gnmraUnUo gſſmĒ' H\$ ñdē\$ſmV AgVo ſm 'nfhVrMo V³Eſmſ Ūſo eſmſVaU Hē\$ Eſmſmſm ghmēſmZo{ZiH\$ſmſm nnoMēſmMm Ōſm àhUŌo' nfhVrMo{dícfU hmſ.

gH\$Cv 'nfhVrÀ`m {dícfUUnMm Anaml Sſm hm 'nfhVr gH\$Cv H\$EſmſmV Vſm H\$andm cmJVno {dícfUUnV p³ci>qH\$dm AdKS>dnŪſm àmſmſm ^mfMr nſ' nſſr Hōcr OnVo Eſmſm M 'nfhVrMoAWZdMIZ H\$amſcm I ſm gnmŌmVo

"Analysis means the categorizing, manipulating and summarizing the data to obtain answer to research question."

(Kerlinger, 1978)

'm{hVrMo{d{icfU n{Ovr :



g{g{q{n{e' H\$ {d{icfU :

g{g{q{n{e' H\$ {d{icfU 'm{hVrMo {d{ei> n{UXVrMm dma H{s{Z H{ccco {d{icfU ahUOo
g{g{q{n{e' H\$ {d{icfU h{m{q}.

J{w{n{e' H\$ {d{icfU :

e{aXn{q{m n{d{e\$nmV {Xc{e{q{m 'm{hVrMm g' n{de hm J{w{n{e' H\$ {d{icfU n{V H{cm OmVno
J{w{n{e' H\$ g{e{nVZn{q{m EH\$XarV VrZ n{m{q{e{q{m AgVmV.

1. 'm{hVrMog{q{ arH{sU :

g{g{cV H{ccr 'm{hVr hr g{d{nVa n{d{e\$nmV AgVo ahUz {VMo g{q{ arH{sU H{sUo
And{q{H\$ AgVo

2. 'm{hVrMogn{karH{sU :

H{sU{e{q{m hr g{g{cV H{cc{q{m 'm{hVrMr g{q{m{q{ On{Ur H{s{Z 'n{sUr H{sUo ahUOo
'm{hVrMo gn{karH{sU h{m{q}. q{nd{e\$Z g{e{nVZn{Mo {ZiH{s{f{H{sUo g{e{nVH{s{cm g{n{q{rMo
h{m{Vo

3. {ZiH{s{f{.

'm{hVrMo g{q{ arH{sU q{H{s{dm gn{karH{sU H{e{q{mZy{a E{q{m{q{m AmYnanZo g{e{nVH{s{cm
q{m{q{ {ZiH{s{f{q{m n{m{m{Vm q{Vo d VXZy{aM Vo {ZiH{s{f{g{e{nVH{s{cm q{m{q{ e{aXn{V
'n{sVm q{m{mV. a{nVW g{e{nVZn{V g{e{nVH{s{Zo 'm{hVrMo {d{icfU H{s{E{q{mgnR{
g{g{q{n{e' H\$ {d{icfU n{OvrMm dma H{cccm Anho

dUZnĭ' H\$ grĭ>ġH\$:

ej {UH\$ ġenĶZnĶ ' Ūġ' nZ, à' nU {dMcZ, eH\$ġ à' nU BĒġnĶr grĭ>ġH\$Mm
g' nĶe dUZnĒ' H\$ grĭ>ġH\$' ŪġoH\$cm Anho ġenĶH\$cm g' Vnc [d^noZnMr H\$enZm ĩni>
hnĒġmġnRĶ ' Ūġ' nZ AnĶU à' nU {dMcZm ĩ oe³ġ hnĶo

4.2 àĩVĶ ġenĶZnĶrc _nĶVr ġġ\$ZnĶMoĶno:

àĩVĶ ġenĶZnĶrc _nĶVr ġġ\$Z nĶcà' nĶoĶġnĶĶnĶoH\$bo

1) ġnĶ dma {X. 9 OĶ 2014 anĶr JOĶej UnĶYH\$ġar nĶMĶĶV ġ{ ' Vr ^nĶ ĶnĶm àĒĶĶ ^OĶ
ġenĶYH\$Zo AnnĒĶm ġenĶZnĶrc nĶd^oy r ĩnĶo>HĶor AnĶU ' nĶhVr ġġ\$ZnĶrc nadmZĶr
{ ' i dbr.

2) 'ŠĶi dma {X. 24 OĶ 2014 anĶr JOĶej UnĶYH\$ġar nĶMĶĶV ġ{ ' Vr ^nĶ ĶnĶĶm
ġH\$ġnĶĶo {dĩVna A{YH\$ġar d HĶĶ à' nĶ ĶnĶr ~RĶ\$ KĶ\$Z ABL d NON-ABL emĶ nĶĶm
' ĶĶĶĶĶH\$ d {ej H\$ġer ġenĶZnĶrc ĶĶĶĶ\$Z nĶ^oMnMUrMo ġnĶĶH\$ {ZĶnĶZ H\$Uo
~m-V ġnĶĶVbo

3) e{Zdma {X. 5 OĶ; 2014 anĶr ^nĶ VnĶĶĶĶnĶrb 277 {O.n. emĶ nĶĶo ' ĶĶĶĶĶH\$ d
{ZdSĶ\$ {ej H\$ ĶnĶĶm ġnĶ-V BĶĶĶm XĶĶar ġnĶĶ ' anĶĶ d J{UV {dĶĶĶMĶr ġĶnĶZ MnMUr
VĶĶna H\$ĒĶĶm ~ĶbMr MnMĶĶor.

4) ġnĶ dma {X. 21 OĶ; 2014 anĶr ' anĶĶ d J{UV ġĶnĶZ MnMUr {dH\$ġZnĶMo H\$ġr
H\$ĒĶĶĶnĶĶ HĶĶ nVandarb àĒĶĶH\$ emĶ Vrb EH\$ {ej H\$ Ķm à' nĶo narĶ m ġ{ ' Vr J{RĶ
HĶor. ĶnĶ ' ĶĶĶĶĶH\$ nXdrYa {ej H\$, {dĶĶĶ {ej H\$ hnĶo AäĶĶĶH\$' d AŪĶĶZ {ZĶnĶm
{dMnanĶ KĶ\$Z, ġnĶĒĶĶĶ^ogdH\$Ķ ' ĶĶĶ' nĶZnĶnĶĶ àĶZ aMZm HĶor. ġĶdYnZ V³ĶnĶZĶna
ġnĶĶo ' ŪĶĶ' d H\$RĶU ĩdĒ\$ĶnĶĶm àĶZnĶm ^nĶĶe AZĶĶ' o 20%, 60% d 20% Agm
{ZĶĶMV HĶom d ĒĶĶmà' nĶo ġĶnĶZ MnMUr {dH\$ġZ PnĶbo ĒĶĶm ZĶa nĶ^oMnMUrMm {XdĶ
{ZĶĶMV HĶom JĶom

5) JĶ\$dma {X. 21 AnĶĶĶo>2014 anĶr ^nĶ VnĶĶĶĶnĶrb {O.n. emĶ nĶĶm BĶĶĶm XĶĶarĶĶm
{dŪmĶĶĶMĶr ' anĶĶ d J{UV {dĶĶĶMĶr nĶ^oMnMUr KĶ\$Z ' nĶhVr ġġ\$ZnĶrc ġĶdĶnĶ PnĶor.
nĶ^oMnMUr KĶ\$Z PnĶĶĶnĶda VnĶĶĒĶĶnĶMoH\$ġr HĶbo

- 6) Ēqim Zġa ABL d NON-ABL emi nq Ūqo Zħ' à' nĴo AŪqġZ-AŪqġmZ à{H\$ġim Mnby hnr Vohm ġenġH\$Zo' ƵqġnġġmH\$ d {ej H\$ àġZndbr {dH\$ġV Hōbr.
- 7) 'Ši dma {X. 6 OnZdnar 2015 anDr ġenġZngnr {ZdSbēqim emi nqġim ' ƵqġnġġmH\$ d {ej H\$ ġġmer MMmH\$ēZ ' anR: d J{UV ġġmKZ MnMUr {dH\$ġZnMo {ZġmDZ H\$ēġimV Ambo An{U H\$VqġV AŪqġZ nŪXVr am-{dUnēqim emi nq Yrb {ej H\$ d ' ƵqġnġġmH\$ēZm àġZndbr XēġimV Ambr.
- 8) Jēšdna {X. 19 'nM©2015 anDr 'anR: d J{UV {dfġmġġm Cġna MnMUrMo {dH\$ġZ Hōbo
- 9) e{Zdna {X. 28 'nM©2015 anDr ġenġZngnr {ZdSbēqim emi nqġim ' ƵqġnġġmH\$ d {ej H\$ ġġmer MMmH\$ēZ Cġna MnMUrMm {Xdg {ZpġMV Hōcm
- 10) e{Zdna {X. 25 E{āb 2015 anDr ġenġZngnr {ZdSbēqim emi nqġim Bġġm Xġarġġm {dŪmġġm ' anR: d J{UV {dfġmġġm Cġna MnMUr XōZ ' n{hVr ġġSōZ Hōbo
- 11) E{āb 2015 Al a gd©' ƵqġnġġmH\$ d {ej H\$ àġZndbr d ġġmKZ MnMUr gd© ' n{hVr ġġSōZnMo H\$nr nŪ©Hōbo Ēġngnr {ZdSbēqim emi nqġm dmašna ^ō> XēġimMo H\$nr ġenġH\$ZōHōbo

{ZdSēē`m Z_Ū`nVrc emi nqġm àē`j ^ō> Xē`mġdu ^na Vncē`nMo 'nZZrġ JO{ej Un{YH\$nar `nġmer ^ē UŪdZrŪma ġġH\$Hōcm ġnō rñH\$a {Xdg RadZ n{Mm V ġ{Vr ^nMo 'nZ{Zġ JO{ej Un{YH\$nar, d ĒġmMoghH\$nar A{YH\$nar ġġmġ ƵqġnġġmH\$ēZ h àē`j ^ō>KōZ ġenġZ {df`mer AndġġH\$ AgUnēqim ~m~mMr MMmH\$ēZ d _n{hVr ġġSōZngnr H\$ŪVnhr ASWi m AWdm ASġU ġġma Znhr ġġngnr _XV H\$ē`nMr {dZVr Hōcr. ġ\$-ŷV emi Vrc {ej H\$ d XġarMo {dŪmġ CncāY hnr Vrc Agm ġnō rñH\$a {Xdg nġġmUrġnr {ZpġMV Hōcm

nĴo {OēømVrc ^na Vncē`nV EHġU 277 ànV{H\$ emi nqġH\$ H\$Vr`ŷ\$ AŪ``Z nŌVr am-{dUnē`m (ABL) EHġU 51 emi m An{U H\$Vr`ŷ\$ AŪ``Z nŌVr Z am-{dUnē`m āhUOM nnaš{aH\$ nŌVr dmaUnē`m (Non-ABL) EHġU 226 emi m An{hV. naŷw ġenġH\$ZōnM qH\$dm nMnġ m OnV B`ġm XġarMr nōġē`m AgUnē`m H\$VqġV AŪqġZ

nUXVrA` m Mmi rg emi nMr An(U nma\$marH\$ nUXVrA`m 117 emi nMr {ZdS> H&cr
 E` m_iri o`na Vmc&` nVrc 40 ABL emi nYrc EH&U 405 {dUmWu An(U 117 Non-ABL
 emi nYrc EH&U 1060 {dUmWu Aem EH&U 1465 B` Tmm Xp&arA` m {dUm` nMr _anR& d
 J{UV {df` nMr nylPmMUr K&` nV An&cr.

{O&hm n[AfXm ej {UH\$ Jw&dTmm dmT&gnR& `a` EZerc AgUmao V&EH&crZ nW&o {O&hm
 n[AfXMo gd`nXmYH&mar An(U `nZ{Z&U _w` H\$m P&mar A{YH&mar `nZr H&D engZnH&S&
 Capacity Building for Poverty Reduction ahUOM "Xn[aD& {Z_&ZngnR& j _Vnd&Or'
 `nDZ&S& Aa` ngnj`&anVnd gnKa H&cm E` m_&` o nW&o {O&hmVrc ^na Vmc&` nMr {ZdS>
 "H&Vr` P\$ AU` `Z n&Vr' (ABL) gnR& am`nJH\$ V&Idnda H&E` nV An&cr. ^na
 Vmc&` nVrc Ran(dH\$ CnH&'erc {ej H\$ d {O&hmVrc {eunU {d^mJnVrc H&hr
 A{YH&mar `nZr "H&Vr` P\$ AU` `Z n&Vr' am-{dUn&U m BVa anA`nA`m emi nMm Aa` ngX&am
 H&cm d E` mZ&A Ann&U m anA` ngnR& d n&U nZ&o nW&o {O&hmVrc {O&hm n[AfX emi ngnR&
 `nZ Ago gn(hE` {Z_n& H&E` nV An&co hr `nDZm H&D engZnA` m "Xn[aD& {Z_&ZngnR&
 j _Vnd&Or' `m` nDZ&A&J& h&nVr K&` nV An&cr.

H&Vr` P\$ AU` `Z n&Vr hr {ej U h_ \$ H\$m UmA` m U` & YnaUn&er {` i Vr Oir Vr
 Aer n&Vr Anho a&E` j gnV&` nU`gdP&F _&` _mZ n&VrMm` nV nU&V... Adc& H&ccm
 Anho _hmani> anA` nV gdm& AnYr nW&o {O&hm ho gdm&JU {eunU un& nVrc Jw&E` H\$
 aJVrgnR& CMccc&onnD\$c h&nW&o

^na Vmc&` nVrc A` m 60 {ej H&Zr MbB`N&VrgJS> `W&o Aa` ngX&am H&cm h&nVr
 E` mH\$ nM {ej H&Zr nVrc H&Vr` P\$ AU` `Z n&VrMo AndI`H\$ a{ej U KVco ho gd`
 a{ej V nM {ej H\$ ^na Vmc&` nVrc H&oi U m JndmVrc {O&hm n[AfX anV`_H\$ emi Vrc
 h&nW&o ahU& gXa emi Mr g&enVH&Z&o anYn` nZ&o {ZdS> H&cr. {O&hm n[AfX anV`_H\$ emi m
 H&oi `W&oB` Tmm Xp&arV {eH&UmaoEH&U 30 {dUmWu h&nW&o ahU& H&Vr` P\$ AU` `Z n&Vr Z
 am-{dUnar ahUOM nma\$[aH\$ n&VrZoA` m emi V AU` mnZ h&nW&o Aer emi m {ZdS> mZm {OMm
 n0> 30 Anho Aem gnani m JndmVrc {O&hm n[AfX anV`_H\$ emi Mr g&enVH&Z&o {ZdS>
 H&cr.

^na Vmc6` nVrc 226 emi nYrc 1465 {dÚmí` nMm àm nUJH\$ {Z` \$}V J0>K6Z
 È¶nÀ¶mca n¶d CÎna MnMUr A{^H\$èn am-{dUoVgoAÈ` ¶ ÎngXm¶H\$ H\$sr hnbVo È` m_wi o
 CÎna MnMUrgr¶ g¶mVH\$ZoH6di 60 {dÚmí` nMr g¶mVZngnR¶ {ZdS>H6cr. EH\$U 1465
 {dÚmí` nMr n¶dMnMUr AnÚñ0>2014 d g¶mVZngnR¶ {ZdSæè` m 60 {dÚmí` nMr CÎna
 MnMUr E{àc 2015 _Ü` o K6` nV Ancr. È` nMdo r {ej H\$ d _w` nÜ` mnH\$Zm H\$Vr¶¶\$
 AÜ¶¶Z nÖVr am-{dVmZm `Únè` m ASMUr d AZr`d `n{df` rMo _V OnUz K6` ngrnR¶
 àíZndcr X6` nV Ancr. g80>a 2014 nmgz _nM©2015 n` V gXa Xnóhr emi nZm dna¶na
 ^0¶ Xolz Aní¶dm K6cm

g¶¶cV _¶hVrÀ` mdJuH\$UrMo\¶n Xo:

g¶mVZnMr C{0i>d n[aH\$ènZngma Oa g¶mVH\$Zo _¶hVrMo dJuH\$U H6co Va
 AW©n¶ hnbJo g¶mo OnVo È` m_wi o _¶hVrMr Andí¶H\$ d{eí0æo {dMnanV K6Z _¶hVrMo
 {dícfU H\$aUognmoOnVo

4.3 _¶hVr g¶¶cZnMr gnYZo:

g¶nKZ MnMUr- àñVW g¶mVZnÀ¶m C{0i>H\$ 1 d 2 grnR¶ B¶¶m X¶garÀ¶m {dÜ¶¶mVn¶grnR¶
 'anR¶ d J{UV {df¶¶m n¶d CÎna g¶nKZ MnMUr V¶¶na H6cr.

àíZndcr- àñVW g¶mVZnÀ` m C{0i>H\$.3 grnR¶ g¶mVH\$Zo àíZndcr V` na H6cr.

4.4 g¶`memór` V¶o:

B`¶m X¶garcm _anR¶ d J{UV {df` {eH\$(dUmao {ej H\$ d g¶\$YV emi n¶Mo
 _w` nÜ` mnH\$ `nZm {Xcè` m àíZndcrMo J¶n¶¶\$ VgM {dÚmí` nÀ` m n¶d CÎna MnMUrÀ` m
 g¶nKZnMm Aä` ng H\$aÈ` ngrnR¶ n¶¶c g¶`memór` V¶odmacr AnhV.

- 1) e¶¶Sænar
- 2) _Ü` _mZ
- 3) ghg\$Y J¶H\$
- 4) 0¶ - J¶n¶¶\$
- 5) nr - J¶n¶¶\$

4.5 gēnYZ H\$ñ ƏhrMoƏno:

- 1) g\$-fYV gr(hE` nMm emV d Aa` ng.
- 2) BqIIm XparA` m{dUmı` nıgnR\$ _anR\$ d J{UV {df` nıMr nıMnMUr V` na H\$cr.
- 3) BqIIm XparA` m{dUmı` nıgnR\$ _anR\$ d J{UV {df` nıMr Cİma MnMUr V` na H\$cr.
- 4) {ej H\$ d _w` Ü` mnH\$ıgnR\$ àíZndcr V` na H\$cr.
- 5) _m(hVr gfiScZ H\$co
- 6) _m(hVrMo{dícFU d AWZdMIZ H\$co
- 7) gēnYZ Ahdmc V` na H\$cm

4.6 àíZndcrdêZ {i ncë` mà{VgnKMo{dícFU :

ànVW gēnYZnMoC(Öi>H\$. 3 nıf\$ca` nıJohnVo-

H\$V` n\$AU` `Z nÖVr am{dUmo{ej H\$ d _w` nı` mH\$` nıMr 'VoOnUz Kbo

H\$VnıV AUqıZ nÜXV àEıj am-dV AgVnZm 'w` nıMnH\$ d {ej H\$ qıZm H\$ıH\$ıEıM ASMUr qıVnV ho OnUz KfiMgnR\$ àíZndbrV EHJU 8 àíZ hıVo EıMnMo {debfU nıf\$ab à' nıJo

gnaUr H\$ nı\$ 4.1

g_n` da AnYnarV àíZnıMo{dícFU àíZ H\$ 1, 2, 4, 5, 6, 7, 10, 12

| àíZ H\$. | àíZ | hno % | Zıhr % | H\$YrVar % | EHJU % |
|----------|---|-------|--------|------------|--------|
| 1) | ABL gnR\$ cmJUmo gr(hE` ghOmghOr CncāY hıVoH\$ı? Zgè` ng H\$naU H\$ıı ? | 85.55 | 04.48 | 05.97 | 100 |
| 2) | ABL gnR\$ cmJUmo gr(hE` {dUmVU g\$` à` nıJo nıgo Anho H\$ıı? Zgè` ng H\$naU H\$ıı ? | 83.58 | 10.45 | 5.97 | 100 |
| 4) | ABL _U` ghH\$nar {ej H\$ıMr _XV {i Vo H\$ıı? H\$emāH\$ııo? | 100 | - | - | 100 |
| 5) | ABL nOV am-{dVnZm _w` nı` mH\$ / d[ad> A{YH\$nar `nıMo ghH\$ıı © {i Vo H\$ıı? H\$emāH\$ııo? | 100 | - | - | 100 |
| 6) | ABL nOV am-{dVnZm nıCH\$ıMo ghH\$ıı © | 83.58 | 05.97 | 10.45 | 100 |

| | | | | | |
|-----|---|-------|-------|-------|-----|
| | { i VoH\$? H\$emH\$na? | | | | |
| 7) | ABL nOVrZo gd [©] Aä`ngH\$ {Xcè`m H\$ncmdYrV nyJ [©] hnVno H\$? Zgè`ng H\$naU H\$? ? | 65.67 | 20.90 | 13.43 | 100 |
| 10) | ABL nOVrV am-dVmZm {dUmI`nH\$SZ grhÈ`nMr _nS>VnS> hnVno H\$? hnd\$ Z`o ahUz H\$nuVr I ~aXnar K/cr OnVo? | 29.85 | 53.73 | 16.42 | 100 |
| 12) | ABL nOV am-dVmZm {dUmI`nMo dV? {eñV~Õ AgVoH\$? | 77.61 | 11.94 | 10.45 | 100 |

gXa g\$emZ àH\$emV ABL (H\$V`p\$ AU``Z nOVr) {df`rAqm {ej H\$ d _w`nÜ`mnH\$`nA`nH\$SZ ^èSZ KVcèqm aIZndcrA`m _nÜ`_nVZ à{V{H\$ m OnUz KÈ`nMm à`EZ H\$ccm Anho H\$hr emi nMo _w`nÜ`mnH\$ hM ABL nOVrZo {eH\$dUmao {ej H\$, Va H\$hr emi nÜ`oEH\$ ng m OnV {ej H\$ Agè`nZoEH\$U 67 OUnAno à{VgnX O`m Pmcèno AnhV.

darc gmaUr H\$. 2 déZ Ago {Xgz`Vo H\$, 89.55% {ej H\$Zm ABL gnR\$ cmUmao grhÈ` AJXr ghOm ghOr CncāY hnVq 05.97% {ej H\$Zm ho grhÈ` H\$YrVarM ghO CncāY hnV Va 04.48% {ej H\$Zm VoH\$YrM ghOnghOr CncāY hnV Znhr. Aä`ngH\$_nV ~Xc Priè`ng È`nà_nJo H\$Sg² V`na H\$SZ, N`nB[©]H\$SZ j`ndo cmVnV, H\$htZm AZKnZ Z { i nè`nZoASMU`Vq H\$htZm AY@>grhÈ` CncāY Pmco Aer H\$naUo{Xccr AnhV.

ABL gnR\$ cmUmao grhÈ` {dUmVu g\$`à_nJo nago Anho Ago _V 83.58% {ej H\$Zr i`°\$ H\$co grhÈ` {dUmVu g\$`à_nJo A{O~nV nago Znhr Ago 10.45% {ej H\$Zr gnJVcoAnho Va 05.97% {ej H\$A`m_Vq È`nZmH\$YrVar {dUmVu g\$`à_nJo nago grhÈ` { i Vo {dUmVu g\$`à_nJo Oa H\$ nAnVH\$m CncāY hnc eH\$èqm ZnhrV Va hr nOV am-dVm`V Znhr.

Aqm emi nÜ`o Ago grhÈqm ghO {`i y eH\$V Znhr, VVrc H\$hr {ej H\$Zr n{hcrMm AäqmgH\$` ~Xccm ZgèqmZo AäqmgH\$` {Zhmqm H\$S[©]Vqma H\$ando cmVnV,

Ēŕm ō o Ōōhm Ōōhm grhĒŕ { ' i V Znrh Vōhm NānB[©]HššZ ȷŕmlo cmJVo ŕm ō Hšhrgm {dcš hnlvno Aghr à{VnrxZ Hōco Anho ' mī, {dŪmīŕŕmŕgRš Hšŕ Hšŕ HšmŕŕmVHšm CncāY Prēŕm ZnrhV Va CnHš' am-{dĒŕng ASMUr ŕm AnhV Aenhr Hšhr à{V{Hšŕm gēnVHšcm { ' i nēŕm Anho {edmŕ, AāŕngHš' nZyga HššZ{ ' ŕr Hšandr cmJVo d Vr ghOmghOr CncāY hnlv ZgēŕmMo nmM {ej Hšŕr grŕJVco gd[©]{R-Hšŕr grhĒŕ} dō ō āhUOo emi m gēš PrēŕmZŕVa cJMM { ' i Uo AndīŕHš Anho ŕm ō ' wcnŕm emcŕ CĒgrh Hšmŕ' anhĒŕng ' XV hnlv ŕm ŪŕoHšŕĒŕhr àHšmŕr A{Zŕ{ ' VVm AgyZŕo Ago{ej Hšŕr grŕJVco engZŕ m \$ŕ { ' i Uraš grhĒŕ ho ~hŕŕer dJZhmŕ { ' i VoĒŕm ō {dŪmīŕŕmŕm nōgšŕŕZyga grhĒŕ CncāY hnlv AndīŕHš Anho Ago{ej Hšŕo ' V Anho CīnaXnĒŕŕmŕm à{V{HšŕmŕšZ Ago {XgZ ŕm Hš, AZbš {ej Hšŕr ho grhĒŕ ghOmghOr CncāY hnlv AgogrŕJVco ' mī emi Mr nōgšŕm {eúnŪ h, \$ HšmŕXŕmVrc VaVŕZyga OmV Agc Va {ej Hš {dŪmwu gšŕŕZyga ŕng grhĒŕŕmŕm Pamŕg àVr HššZ KŕmV Va Hšhr emi nš Ūŕo {ej Hš d {dŪmwu ŕdV: Aem àHšmMo AŪŕŕZ AŪŕmZmŕgRš AndīŕHš AgUrao grhĒŕ Vŕna HšVnV AgoHšhr {ej Hšŕr grŕJVco

{Ōēhm ŕVandēšZ { ' i Urao grhĒŕŕmVrc ŕdnŪŕmŕ d n[aANx Hššš ho AāŕngHš' nZyga CncāY hnlvM AgoZnrh Va AZbš {ej Hšŕm ASMUtZm grŕm Onco cmV Anho Aenhr à{V{Hšŕm ' nšcēŕm AnhV. ŕm{edmŕ, AāŕngHš' nV anŕŕŕVandēšZ hnlvnam ~Xc, {dŪmwu nōgšŕŕZyga HšmŕŕmVHm CncāY ZgUo Aer HšmUo Xd rc g' m Amccr AnhV.

HšVŕŕš AŪŕŕZ nŌVrMm Adcš HšVnZm gd[©]{ej Hšŕm AnnAnnēŕm ghHšhr {ej Hšŕr {d{dY àHšm_XV ſi Vo āhUOM ghHšhr {ej Hšŕr AndīŕHš AgUrar _XV VnĒHšni ſi Vo Ago gŕi ŕm {ej Hšŕo _V Anŕhr nŪXV am-{dVnZm grhĒ` V` na HšĒ` mŕgRš {ej Hšŕm XZšZ AŪ` mZ HšmŕŕŕŕVŕ[a[°] OnXnMm dō Z, \$M Ūndm cmJVno ABL nŌV am-{dVnZm {dŪmī` mĀ` m JVrZyga, HōdVrZyga AŪ` mZ Hšm[©]Hšando cmJVo Ē` m ō ZdZdrZ gŕšēnZŕmŕm pŕdHšm HšĒŕŕmŕgRš OmV gŕr Agē` nZo ghHšhr {ej Hšŕr _XV AndīŕHš d n[any[©]RaVo Aghr Hšhr {ej Hšŕr grŕJVco ZdZdrZ gŕšēnZŕmŕm

{dÚmí` nĀ` m AUġġZnĀġm JVrZo {eúnH\$Zm AU` mnZ H\$ando cmV AgġġmZo Aä` ngH\$
{d{hV dō V nġġhñV Znhr.

{dÚmWu Āġm ' nBġġnZda Anho ĒġmMm A&nO KCZM Ēġmġġm JVr d j ' VZġġma
AUġġmZ H\$ando cmVVo Aer pñVWr Agġġm ĩ o JVr H\$' r AgUñġġm {dÚmġġmZm únř Vm
gġmXZng A{YH\$ dō cmVno H\$naU gdŲU EH\$M ' nBġġnZda AgVrcM Ago Znhr
Ēġm ĩ o g\$-ŸV ' nBġġnZ nġġH\$Ēġm BVanġġm VrcZZo OnñV AdYr cmVno n{aUm r
AäġġmH\$' {d{hV dō V nġġhñV Znhr.

df}^anV {d{hV H\$ccm AäġġmH\$' nġġH\$Ēġm nŲVrV ' hĪdnMoZgZ {dÚmġġmMo
únř VnMo ŃT>H\$U hñġo AndġġġH\$ Anho ġġgnR> AndġġġH\$ AgUñam nġġm dō {Xcm OnVno
' mġ hoH\$arV AgVñZm {dÚmġġmġġm j ' Vm AnH\$CZ d JVr ġġZm Xd rc {VHŲM àmYġġġ
{Xcco AgVo Ago H\$hr {ej H\$ àhUVnV. Hđi Aem àH\$naMo {ZH\$F {dMñanV Z KVm
g\$-ŸV KOH\$ġġr H\$RĒġġmV i r {H\$Vr AnhoXo rc {VHŲM ' hĪdnMoAnho H\$naU EI nġr
gġġġmZm ŃT>hñġġġV {dÚmġġmZm A{YH\$Vm dō Xġo AndġġġH\$ AgġġmMoH\$hr>CĪmaXñġġġr
gñġJVco

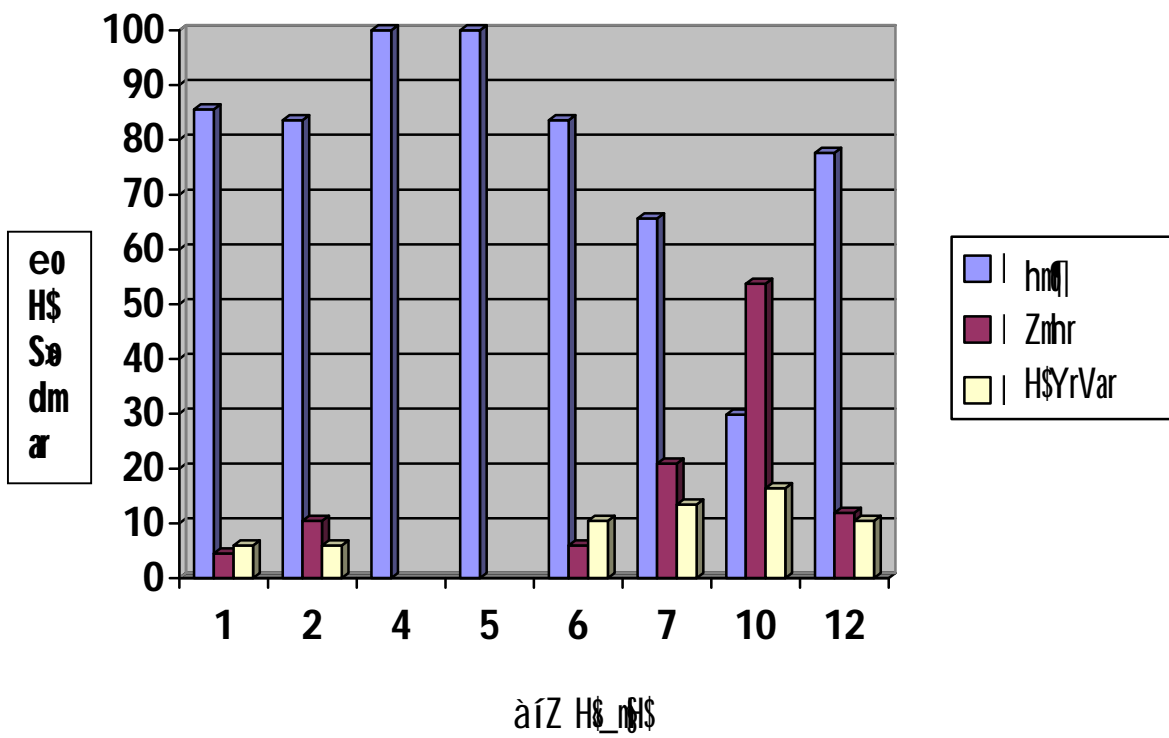
ABL nŲVr am-{dVmZm {dÚmġġmZr ñdV... gñġġġġ hñVmi Uo AndġġġH\$ AgVo
Ēġm{ednġġ Ē` nġġo AU` `Z H\$go hñġma? ho AU` `Z H\$V AgVñZm {dÚmġġm nH\$ŸZ _nġVnġ>
hñVnġ Ago 29.85% {ej H\$ġġr gñġJVco Va 16.42% {ej H\$ġġm _Vo Aer _nġVnġ
H\$YrVarM hñVġ Va 53.73% {ej H\$ġġr gñġJVco H\$ ABL nŲVr am-{dVmZm
{dÚmġġm nH\$ŸZ H\$YrM eġm{UH\$ gñġġġġ nMr _nġVnġ>hñV Znhr.

{dÚmġġmZm H\$Vrġġ\$ AUġġġZ nŲXVrXdmao {ej UnMr àhUOM AUġġġZnMr Jnġ>
{Z' nŲ H\$Uo ho ġġm nŲVrVZ gñġġġ Hđco OnVo ġġgnR> ġġm dma H\$andġġġġm gñġġġġm
' nġVnġ> hñV Zġo àhUZ {ej H\$ġġ m \$V Aer gñġġġġm H\$ni Or KVcr OnVo gñġġġġm
XOnġ A{Veġ CĪm AgġġmZo ~hñVġġ {ej H\$ġġr gñġġġġm ' nġVnġ> hñV ZġġġmMo
gñġJVco ġġgnR> gñġġġġ {dÚmġġmġġm H\$ġġġġm JO>Zġma H\$' nH\$ nZodmñacoOnVod {dÚmWu
Xd rc ñdV:Āġm O~m-XmarZo H\$ġġġġr hñVmi Ur H\$VnV Ago AZH\$ {ej H\$ġġr à{VnñXZ
Hđco ġġ{ednġġ gñġġġġm dma H\$gm H\$andm ġġg\$-Ÿr {ej H\$ dō nġo r ' mġġġġ H\$VnV.

VgM {dÚmí'qínZm J0mJ0xZo H\$ñ'©H\$É'qínMr gd'q Pñé'qínZo Vo Xd rc O~m-XnarZo H\$ñS'©² hñVmi VmV. CncâY grñhÉ'qínMm CÎnr XOm'© {dÚmí'qínMo ñdV:À'qím O~m-XnarZo grñhÉ'qín hñVmi É'qínMr d'ñnr d {ej H\$ñModó nóló rMogI nc 'mJ'XeZ d {Z'ñ'U qím gd'©O' À'qím ~nOy AnhV.

ABL nÕV am-{dVñZm {dÚmí' nMo dV' A{Ve'q {eñV~Õ AgVo Ago 77.61% {ej H\$ñZr grñJVco 10.45% {ej H\$ñ`m_Vo{dÚmWu H\$YrVarM {eñV{à'qím dmJVñZm {Xgz' qínVñ Va 11.94% {ej H\$ñ`m_Vo{dÚmWu H\$YrM {eñVrZo dmJV ZñhrV, Ago 'V 'ñ\$ccO AnhO

{dÚmWu ñdV:M H\$Vr H\$ArV Agé'qínZo d EH\$ÌV J0H\$ñ'©H\$É'qínMr àd'ñnr qínñ o {dÚmí'qínÀ'qín Ü'qío {eñV {Z' n' hñ'qíngr nñH\$ 'XV hñVo Ago H\$ñhr {eñH\$ñZm dnOVo 'mì, H\$ñhr d'ó m {dÚmí'qínÀ'qín Ü'qío H\$ñS'ñr XolnJKolnU H\$VñZm Jñ'i hñVno Aem d'ó r J0> à'ñ nMo ZV'Ed d g'Ýd'q 'hîdny'©RaVno Agbr {ej H\$ñZr grñJVco H\$Vrñ'ñ\$ AÜ'qínZ nÕVr'ñ o{dÚmí'qínZm É'qínÀ'qím ñdV..À'qím JVr d j 'VZ'gna AÜ'qínZñMr g\$Yr {' i Vo qín'ednñ ñdV... H\$Vr H\$ArV Agé'qínñ oAÜ'qínZ AÜ'qínZñV ìqínVVm anhVo qím ~m-r {dÚmí'qínÀ'qím gd'© g' nleH\$ {dH\$ñgrñR' A{Ve'q 'hîdny'©AnhV.



And H\$ n\$í\$ 4.1

H\$V n\$í\$ V AU n\$í\$ Z n\$í\$ X Vr am- {d U m o {e j H\$ d ' w n\$í\$ n\$í\$ m H\$ n\$í\$ n\$í\$ / r ' V o

H\$V\$V AU\$V nUXV àÉ\$ am-{dUe\$ {ej H\$ d ' \$n\$H\$ hr nUXV H\$er dnoV\$ ~ObMr É\$Mr 'Vo OmUz KÉ\$ngnR\$ àíZndcrV EH\$U 7 àíZ hnoÈ` nMo g{dnVa {dícU I mcrcà_nUo-

gmUr H\$ r\$ 4.2

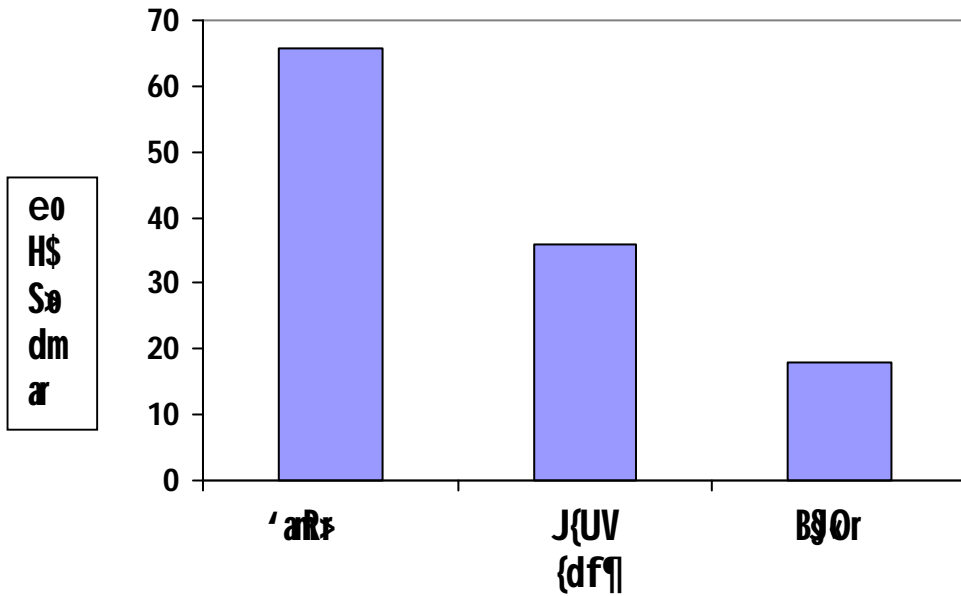
grhÉ\$ {Z' \$r H\$obofdf\$

| àíZ H\$. | àíZ | hno % | Znhr % | {df` | | |
|----------|---|-------|--------|----------|--------|---------|
| | | | | _anR\$ % | J{UV % | B\$Or % |
| 3) | Vnhr ñdV... Vw` m dJngnR\$ H\$Uvr grhÉ` {Z' \$r H\$cr Anho? H\$UÉ` m {df` ngnR\$? Zgè` ng H\$U H\$ni ? | 98.51 | 01.49 | 65.67 | 35.82 | 17.91 |

\\$ \$ EH\$M {ej H\$ dJi Vm BVa gdm {ej H\$Zr ñdV... {eH\$dV Agcè` m dJngnR\$ grhÉ` {Z' \$r H\$cr Anho ~è` nM {ej H\$Zr EH\$ ng m A{YH\$ {df` ngnR\$ grhÉ` {Z' \$r H\$cr Anho na\$wHodi EH\$M {ej H\$ Ago Amí\$ z AmcV H\$, È` nZr engZnH\$Z ABL Mo grhÉ` Anwo àmá Pnè` m_ü o grhÉ\$ {Z' \$r H\$cr Znhr É\$Zr ñdV..Mo H\$hrM H\$peè` Xml dcco Znhr d ABL nÖVrZo Annè` m dJng AU` mnZM gè H\$cco Znhr. _anR\$ {df` ngnR\$ 65.67%, J{UV {df` ngnR\$ 35.82% An(U B\$Or {df` ngnR\$ 17.91% {ej H\$Zr grhÉ` {Z' \$r H\$è` nMo {XgZ Amco I a\$Va J{UV d B\$Or {df` ngnR\$ AOZ OnñVrVOnñV grhÉ` {Z' \$r hnoAnój V Anho

n0x\$` Zngm grhÉ` nMr CncāYVm Zgè` m_ü o Anwo grhÉ` Anho `nédmi ñdV... {ej H\$Zr Xd rc grhÉ` {Z' \$r H\$aUo Anój V Anho `n{df` r j dr` ñVandarc dñVdVm AO' ndz KÉ` nMm à` ÈZ H\$cm AgVm, Ago cúnmV Amco {H\$ AZH\$ {ej H\$Zr J{UV \$m {df` ngnR\$ g_{df` g\$ \$Mo V°\$ `nédmi 'anR\$ \$m {df` nÀ` m eāX n0\$cm V` na H\$è\$ \$m Anhv. `m grhÉ` nMr {Z' \$r H\$aVmZm "O\$H\$D\$ nngz {O\$H\$D\$' hr gñ\$enZm {dÚmí` nZm g' Ondz XÉ\$nmV ~aM {eúnH\$ \$eñdr Pmco Agè` nMo {XgZ `Vo EH\$UM {ej H\$A` m à{V{H\$ m Aä` ngVm, On\$aj aod eāXn0\$cm V` na H\$aÉ` m_Ü` o AZH\$ {ej H\$Zr H\$É\$ \$m \$a` ÈZ H\$cco Anhv, Va J{UV {df` ngnR\$ Andí\$ \$ AgUe\$ \$m Ag\$kmZnda

AmYnfav COi Ur H\$S© g\$`nH\$S©V` ma H\$aE`m_U`o~e¶mM {ej H\$M/o`mXnZ {Xgz`Vo
 J{UV {df`nA`m VvcZZo`anR\$ {df`nMogm(hE` H\$aE`mg A{YH\$(YH\$ dnd Agē`nMo{Xgz`
 `VoH\$maU J{UVnA`m VvcZZo`^mf m {df`nMogm(hE` H\$hrgo A{YH\$ Agē`nMonmM Vo ghm
 {ej H\$A`m à{V{H\$`nle\$Z {Xgz`Vo Va\$ {MtoV¶ma H\$aUñe`m {ej H\$Mr g\$`nhr, ^mf m d
 J{UV {df`nMo e¶m(UH\$ gm(hE` {Z`nM H\$aUñe`m {eúnH\$¶¶m VvcZZo Aēn Anho Ago
 AmT\$ Vo BVa e¶m(UH\$ gm(hE` nA`m VvcZV a\$R~e\$R {MtoV¶m`m_nü`_mVZ {dUmí`nZm nQ\$Z
 d Mnc)coAnH\$CZ hnw



And H\$ n\$4.2

{ej H\$R gm(hE` {Z`¶r H\$cco(df`

gmaUr H\$ rñ\$ 4.3

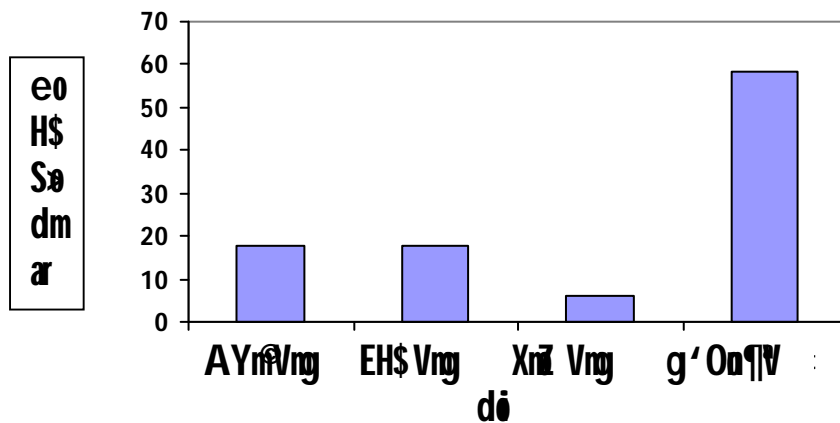
gñ\$enZmNT:H\$Ung {XbmOrUrandö

| äiZ H\$. | äiZ | AYnñ Vmg % | EH\$ Vmg % | Xnñ Vmg % | nngm / g_On`V % | EH\$U % |
|----------|--|------------|------------|-----------|-----------------|---------|
| 8) | ABL nÖVrZogñ\$enZmNT:H\$U H\$aÈ ng {H\$Vr dö XVmV. | 17.91 | 17.91 | 05.97 | 58.21 | 100 |

\$

ABL nÖVrZo AU`mnZ H\$aVmZm ho AU`mnZ H\$m ©{dÜmi`nA`m AndíH\$VZgma, ~nÜXH\$ nmVi rZgma, j_VZgma H\$ando cmVvo 17.91% {ej H\$ gñ\$enZm NT:H\$UngnR: and AYnñVmg XVmV, 17.91% {ej H\$ and EH\$ Vmg dö XVmV, 05.97 % {ej H\$ Va Xnñ Vmg gÕm dö XVmV, An(U 58.21% {ej H\$ {dÜmi`nZm Vr gñ\$enZm nÜUo g_On`V ahUo©{dÜmi`nA`m ~nÜXH\$ nmVi rZgma ^ana dö XVmV.

Á`m _nBëñOzda {dÜmWu Anho È`nà`nUo È`m [dÜmi`nA`m Jvr An(U ~nÜXH\$ HdVrZgma AU`Z H\$coOmVo AäñmgmV Jvr H\$_r AgUnè`m {dÜmi`nZm KOH\$Mo AnH\$CZ hnññmg A{YH\$ dö cmVno H\$aU {dÜmWu EH\$M dö r EH\$M _nBëñOzda AgVrc Ago Znhr È`m_w og\$ \$YV _nBëñOz nÜ`H\$aÈ`ng El nXñm {dÜmi`n`cm BVanA`m VcZzoH\$`r OnñV AdYr cmVyeH\$Vno n[aUm_r {Xcèñm dö V Aä`ngH\$_ nÜ`hnc eH\$V Znhr.



Andö H\$ rñ\$ 4.3

ABL nÖVrZogñ\$enZmNT:H\$Ung {XcmOrUrandö :

gmr H\$ r 4.4

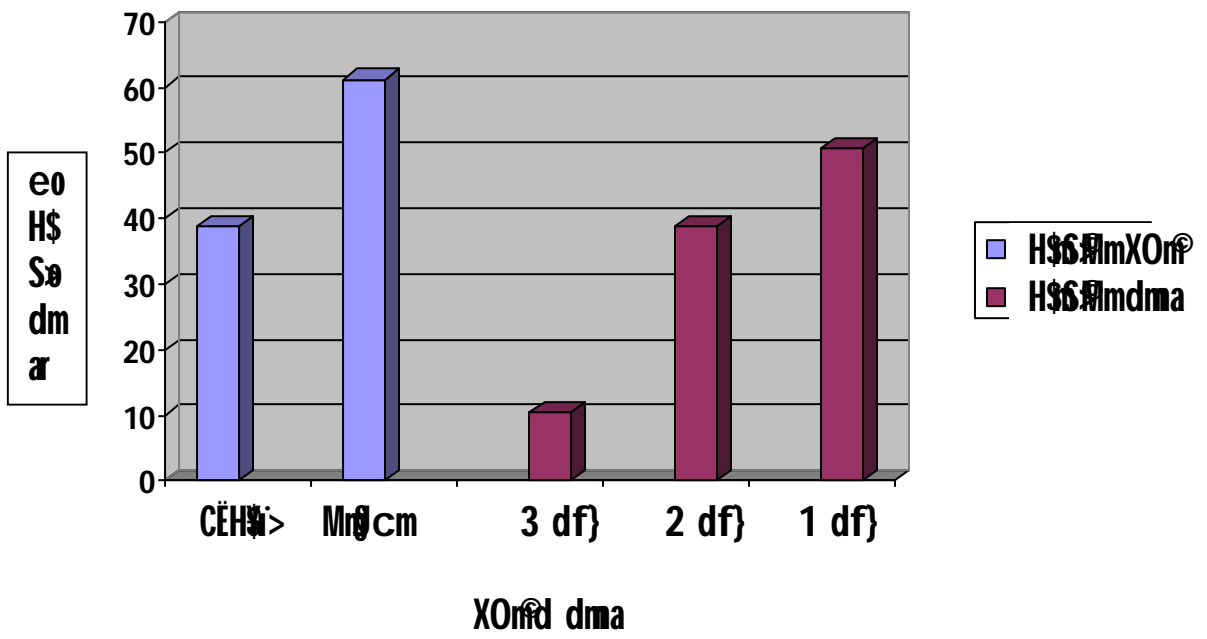
H\$MmXOm (H\$ r df) dma

| ãÍZ H\$. | ãÍZ | CIm % | MnJcn % | EHJU % | df | | | EHJU % |
|-------------|---|----------|------------|-----------|-----------|------------------------|------------------------|-----------|
| | | | | | 3 df % | 2 df ^c % | 1 df ^c % | |
| 9) | ABL H\$MmXOm H\$gm Anh? (H\$Vr dfmgZ dmaV AnhnV? | 38.81 | 61.19 | 100 | 10.45 | 38.81 | 50.74 | 100 |

\$

ABL H\$MmXOm (Oehm n[afX d ~r Am gr H\$Z { i mcè m grhÈ` nMmXOm
A(Ve` CIm_ Agè` nMo 38.81% {ej H\$Zr gnJVco Va 61.19% {ej H\$A` m_Vo` m
ABL H\$MmXOm MnJcm Anho 10.45% {ej H\$ hr ABL H\$MmXOm VrZ dfmgZ,
38.81% {ej H\$ XnZ dfmgZ Va 50.74% {ej H\$ EH\$ dfmgZ dmaV Agè` nMo
{ZxeZng Amco

CncãY H\$MmXOm H\$gm Anh? ho ' n(hV H\$eZ KvZm H\$MmXOm MnJcm
Anho Ago AZb\$ {ej H\$Zr gnJVco { i mcè m H\$MmXOm A(Ve` CIm_ Anho Ago
H\$hr {ej H\$Zr gnJVco { i mcè m grhÈ` nMr _n>Vn>hnd\$ Z` oãhUz emi o n\$V` nê
nÖVrZo RdÉ` nMr gnM H\$cro OnVo Ago H\$hr {ej H\$Zr gnJVco grhÈ` i` dpñVV
RdÉ` ngrR\$ emi V Agcè` m _n\$UrMm Cn` nM H\$cm OnVno VgM grhÈ` I am- hnd\$ Z` o
` ngrR\$ JOZhmì H\$ nH\$ mZo grhÈ` nMo {dVaU H\$co OnVo d È` mZYa {dÚmì` nH\$Z Vo
gnhÈ` ` nê nÖVrZo hnVmi co OnVo H\$ Znhr ` nMr H\$ri Or Kvcr OnVo Ago AZb\$
_w` nÜ` mH\$Zr gnJVco {dÚmWu JOH\$ nP AnZK mZogh^ nUr hnM Agè` mZoÈ` n\$` nH\$Z
grhÈ` nMr e³ Vno _n>Vn>hnd\$ Znhr. Agbr H\$htMo_V Anho



And H\$ r\$ 4.4

ABL H\$ M X O m (H\$ r d m a)

àíZ H& 11 - ABL nÕVrV dJmPÙ` oA{V OmñV / A{V H\$_r {dÚmWu g\$` mAgè` nMo H\$m` n[aUm_ hñV/V? hoAO' ndÿz Kê` nMm à` ÈZ H&cm AgVm {ej H\$mRi H\$mUoAmi` ÿ Amcè` m g_n` m nñ`cà_nUo -

gñUr H\$ rñ\$ 4.5

dJmP A{V OmñV {dÚmWu g\$` mAgè` nMm n[aUm_

| | | |
|----|---|----|
| 1) | H\$mSg²Vnngÿ ZnKr H\$aUoAdKS>OmVo | 06 |
| 2) | H\$mSg²gn&dVmZm dJmP JmYi {Z_nU hñV/no | 12 |
| 3) | dj {°H\$ _mJ&e² H\$aE` ng ASWi m {Z_nU hñV/no | 15 |
| 4) | {dÚm` nMm A{YH\$ gand H\$eZ KVm` V Zñhr. | 04 |
| 5) | {dÚmWu g\$` à_nUogm(hE` nMr H\$_VaVm ^ngVo | 05 |
| 6) | JQ>H\$m ng A{YH\$ dñ` cmJVno | 08 |

gñUr H\$ rñ\$ 4.6

dJmP A{V H\$_r {dÚmWu g\$` mAgè` nMm n[aUm_

| | | |
|----|--|----|
| 1) | {dÚm` nMoJQ>H\$aE` nV ASMU {Z_nU hñV/o | 05 |
| 2) | CnH\$_n_U` o{d{dYVm` V Zñhr. | 03 |
| 3) | ñnYnE_H\$ dnVndau anhV Zñhr | 01 |

H\$VrñP\$ AUññZ nÕVr' Ùñlo {dÚmWu g\$`ñm 'hîdnMr Anho ññ(dfñrMr MMñ© H\$aVmZm {ej H\$mH\$Sÿ A{V OmñV qH\$dm A{V H\$_r {dÚmWu g\$`ñm Agèñng H\$mñ n[aUm hñV/no ho OnUÿ KêñnMm àñÈZ H&cm ññ Ùñlo AZb\$ {ej H\$mññm g\$` I à{V{H\$ñm {Xgÿ Anèñm dJmP A{V OmñV {dÚmWu g\$`ñm Agèñng dñ{°H\$ 'mJ&e², 'ÿñ' mñZ, JQ>H\$mñ, døm VnngUrg ASMUr, ññ(edññ dJmñ VnU, ññMm {dÚmññññ {eH\$ññññ CÈgm\$Vola n[aUm hñV/no ññ(edññ gn(hEñ H\$` r nSÈññMr e³ñVm A{YH\$ AgVo AgoH\$ñhr {ej H\$mñr gnJVco ññCcO>dJmP H\$` r {dÚmWu g\$`ñm Agèñng dVZñV {eñV~ÕñUm, Mññcm CnH\$ am-{dÈñññññ nngm dñ , dñ{°H\$ AUññZ, gn(hEñ ghOnghOr CncāY, dJmñ {Zññ U

aml UognBflohnbV VgM {dÚmí` nModVZ {eñV~ÖVZoanhVq qm i oCnH\$' MnS cm am-{dVm
 qVno Ago~hVner {ej H\$Zr gnUVco 'mí, dJmP H\$' r {dÚmWu g\$ qm AgUoEH\$m Ñi:Zo
 Cnqndr Agco Varhr, Aem JO\$ Üqo ñnYnE H\$ dnVndaU anhv Znhr. VgM A{V H\$' r
 {dÚmWu Agëqm i o JO> Vqna hnb Znhr d qmMm {dÚmí qm qm AUqqZnAqm CËgm\$Vola
 n[aUmí hnb Agbr H\$hr {ej H\$Zr 'V i qo\$ H\$co qmgnR: dJmP ' qmXV {dÚmWu g\$ qm
 hdr ahUOo H\$' rV H\$' r Vrg {dÚmWu g\$ qm Agndr Ago H\$hr {ej H\$Mo 'V AgëqmMo
 {XgZ Amco

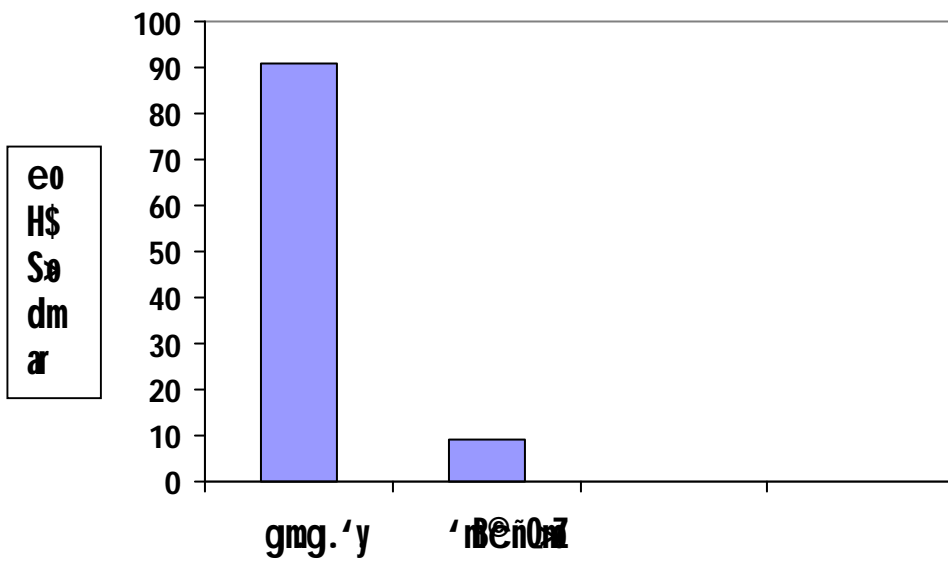
gmlUr H\$ rj\$ 4.7

ABL Úmoo{eH\$dcë`m KOH\$Mlo_`_mZ - V\$ / nÖV.

| àíZ H\$. | àíZ | gm/E` nju`gdH\$` _`_mZ nÖV % | _nBëñ0` V\$ % | EH\$U % |
|----------|---|------------------------------|---------------|---------|
| 13) | ABL Úmoo {eH\$dcë`m KOH\$Mlo_`_mZ H\$aÉ` mgnR\$ H\$UjVr nÖV / V\$ dmaVmV? | 91.04 | 08.96 | 100 |

ABL Úmoo{eH\$dcë`m KOH\$Mlo_`_mZ H\$aÉ` mgnR\$ 91.04% {ej H\$ gm/E` nju`gdH\$` _`_mZ nÖV dmaVmV. Va 08.96% {ej H\$ _nBëñ0` V\$ nMm Adc\$ H\$aVmV.

{dÚmWu H\$UÉ`m H\$Sáa Anho É`m`m àjVrMo ' `mZ H\$em nÖVrZo H\$co OnVo m(df`r {ej H\$`m à{V{H\$`m OnUz KÉ`mMm à`EZ H\$cm AgVm, {Zarj U, Vn\$ H\$m mÚmoo ' `mZ H\$co OnVo Ago ~è`m {ej H\$Zr gmjVco H\$VrZyga àÉ`m\$ O\$B`mnda ' `mZ H\$aUmoo \`naM H\$_r {ej H\$ Anhv, Va ' nBëñ0`zà` nJo ' `mZ H\$aUmoo nU Wn\$e{ej H\$ Anhv, Vn\$ d cd rH\$m n`m AmYmoo ' `mZ H\$aUmooH\$hr {ej H\$, Pncë`m H\$S`m`m AmYmnda MnMUr KUmooH\$hr {ej H\$ Anhv Va H\$hr {ej H\$ {Zarj U, Jhnr>d ñdnú`m`m AmYmoo`hUOM gm/E` nju`gdH\$` ' `mZ H\$aVmV. ~hVn\$er gdM {ej H\$ {dÚm`mMo ' `mZ H\$aÉ`mgnR\$ {d{dY V\$`m AmYna KÉ`mcm àmYm`H\$` XvV. m ' `mZn`m AmYmoo A`mgnV ' nJo nS`cë`m {dÚm`m`m É`m`m jVr d j ' VZyga A`mg H\$aÉ`mcm àmYm` {Xco OnVo Ago H\$hr {ej H\$Zr gmjVco m nÖVr'` o {dÚm`m`m gH\$enZm ñni> h`mg 'XV h`vo d`d`ú`m V\$`m ghme`mZo H\$ce`m ' `mZm` o {dÚm`m`m AU`mZm(df`r AMY\$ ' n`hVr àm` h`vo É`m`m o`m {df`mV {dÚm`m`m Aën à{VgnK Anho Aem {R`H\$Ur gand, d`K`\$ ' n`eZ d gH\$enZm ñni> Pncë`m(edn` n`c à{H\$`m H\$cr OnV Zhr. m nÖVr'` o _c^V\$gH\$enZm {M` d H\$Vr`\$ {ej UmVz à`ndrnJo AnÉ` gmV H\$aVm mV, Aghr {ej H\$Zr ' V àX{eV H\$co m gd`à{H\$` {dÚmWu hm H\$DnWmZr Agé`m` o É`mMm AnÉ` {dídmg ~i ndÉ`mg ' XV h`vo



'y' mZ nÖV d V§

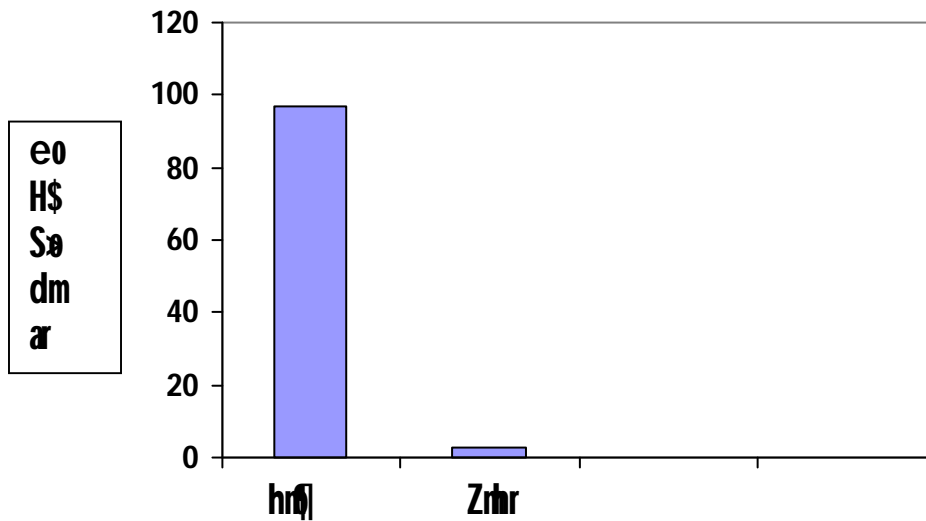
Ancd H\$ r\$4.5
 _y`_mZ - V§/nÖV

gmr H\$ r\$ 4.8

ABL nÖVr Cn`P\$ RaVo H\$m?

| ãÍZ H\$. | ãÍZ | hn % | Znhr % | EH\$U % |
|----------|--|-------|--------|---------|
| 14) | AÜ``ZnV _mJonScë`m {dÜmi`nZm ABL nÖVr Cn`P\$ RaVo H\$m? H\$emàH\$ma? | 97.01 | 02.99 | 100 |

\$ darc gmrUrdéZ ñni>g_OVoH\$, AÜ``ZnV _mJonScë`m {dÜmi`nZm ABL nÖVr Cn`P\$ RaVo H\$ma Vgo 97.01% {ej H\$Zr _V àX(eP H\$cco Anho AnU H\$di 02.99% {ej H\$A`m _Vo AÜ``ZnV _mJonScë`m {dÜmi`nZm ABL nÖVr Cn`P\$ RaV Znhr. hr AnH\$Sømar VncZzo I yM H\$r Anho `m nÖVr_ü o {dÜmi`nZm ñd AÜ``Z H\$E`ng àñgrhZ {i Vo h\$pn d Cëgrh dñT`mo d È`nZm AOZ nñæ {eH\$E`ng C`mar {i Vod VoBva gancñZoBva {dÜmi`nA`m àdnñm/ gh^mJr hnd\$ eH\$mV.



ABL Mr Cn`P\$/m

And H\$ r\$ 4.6

AÜ``ZnV _mJonScë`m {dÜmi`nZm ABL Mr Cn`P\$/m

grUj H\$ rH\$ 4.9

ABL nOVr~mVMo_V

| aiZ H\$. | aiZ | AE`Y a^ndr nOV | MnSjcr nOV | {dUmWu nd`\$ AU``ZnZo / ndJVrZo {eH\$Vno | {dUm`nMm AnE_{dídmg dmT`Vno | nOVr R\$H\$ | EHU |
|-------------|---------------------------------------|----------------------|---------------|--|-----------------------------------|----------------|-----|
| | | % | % | % | % | % | % |
| 15) | ABL nOVr~m-V Amco_V WnS`nV {chm | 35.82 | 31.34 | 28.36 | 01.49 | 02.99 | 100 |

\$

ABL nOV hr {dUm`nA`m AU``ZnZnR\$ AE`Y a^ndr nOV Anho Ago 35.82%
 {ej H\$Zr gnJVco ABL nOV MnSjcr Anho Ago 31.34% {ej H\$Zm dnOVo ABL
 nOVr_wi o {dUmWu nd`\$ AU``ZnZo / ndJVrZo AU`qZ H\$Vno Ago 28.36% {ej H\$Zr
 gnJVco Anho ABL nOVrZo AU``Z H\$`ng {dUm`nMm AnE_{dídmg dmT`Vno Ago
 01.49% {ej H\$Zr gnJVco Anho Va 02.99% {ej H\$Zm ABL nOV R\$H\$ Anho Ago
 dnOVo

{dUmWu H\$DV hr nOVr AgēqnmOqm Ūqo {ej H\$ d {dUm`qnmOodi MoZnVo {Z' nE
 hnēqmg 'XV hnVo hr nOVr AU`qZnZnR\$ MnSjcr nOVr AgZ gdē'ndēH\$ d {dUmWu
 n[an]p©hnēqmgR\$ CnqR\$ Aer nOVr AgēqnmO Mna {ej H\$Zr 'V i`q`\$ H\$co VgM
 H\$Vr`qR\$ {ej Umr_wi o {dUm`qnmZm gOZercVcm d ~nOH\$ nmVi rZnma AāqmgH\$
 {ZdSēqnmr gYr {'i Vo qm(edm), ndJVrZo {eH\$ēqmg dnd {'i Vno 'mī, ~Xcēqmg
 AāqmgH\$ nZnma gn(hēq/H\$S©CncāY ZnhrV. qm nOVr' Ūqo H\$hr 'hīdn]p©~m-tH\$Sə
 A{YH\$Mo cj XWo AndíqH\$ Anho OgoH\$, nmem à{ej U d 'm]XeZnmr JaO, nmcH\$Mo
 CX2-nrZ H\$Uo AndíqH\$ AgēqnmO H\$hr {ej H\$Zr gnJVco qmH\$Sə ànVnqnmZo cj

AgUo AndíqH\$ Anho hoñni>H\$ÉqmgR\$ ãñVW emgZ {ZUqmv J{UV {dfqmr AH\$naU
 ^rVr KmcdeÉqmgR\$ d àÉqH\$ {dÚmíqmg {dídng An(U JwDímmj)ej U { i ÉqmgR\$
 J{UV hm {dfq {dÚmíqmg' na gmfhÉqgh ìqo\$ H\$Uo 'n\$Uo AÉqndíqH\$ AgéqnmMm
 Chmnln Hócmm Anho qm Úqo 'Ur' ni , EH\$H\$, XeH\$ Xn\$o eVH\$ nnó\$ d hOmanMm KZ
 (R\$H\$í m), ZnUr An(U Znóm (à{VHó), R\$H\$í o On\$Uo 'qMJ gó\$g, J{UVr q Oni r,
 g\$ qmH\$S\$ (OAno ~n\$ 'rOa Oa, Xnar qm gmfhÉqnmMm g'nde hñvno qm gmvZn\$ qm
 dmanvZ J{UV d ^mf {dfq AnZ\$Xnr d aD\$ H\$ÉqmA qm hVzo H\$Vr qm\$ AUq q nÓVr
 n[aUm H\$naH\$ Rê\$ eH\$Vo

4.7.1 H\$Vr qm\$ AUq qZ nÓVr Zogam d _j`_mZ :

ñdrú` m` nqñVH\$m:

H\$Vr Únao AU` ` Z H\$É` m-ano aM _cnzm cd ZnMm gand hñ` nMr AndíqH\$Vm Anho
 È` mgR\$ ñdrú` m` nqñVH\$m (Work Book) V` na H\$É` nV Amcero Anho B` Ímm {Zhm` àÉ` H\$
 {df` nMo ñdrú` m` nqñVH\$m V` na H\$É` nV Amcero AgZ Ladder darc gMZZygra Vro
 gn\$ {dUo Anój V Anho àÉ` H\$ {dÚmí` nZo hr ñdrú` m` nqñVH\$m ñdV\$ [aÉ` m gn\$ {dUo
 Andí` H\$ Anho AU` ` ZnA` m gd`V\$ nMm Cnqnm {dÚmí` nEm H\$É` ng gYr { i c Aem
 ñdê\$nmV Éq m V` na H\$É` nV Amcero qm Anhv.

{dÚmí` nZr hr ñdrú` m` / H\$Vn{H\$m gn\$ éÉq m ZYa {ej H\$Zr Vr cJM VnmgZ
 XUo JaOMo Anho Pncè` m Mm\$Mr Xp\$Vrhr {dÚmí` nH\$Z {ej H\$Zr ñdV:g' na H\$Z
 z` ndr. È` ml arO {ej H\$Zr nV`c AU` ` Z H\$S\$ gn\$ {dÉqmg {dÚmí` nZm Xc Zqo

_j`_mZ :

àÉ` H\$ {df` nA` m cSaMo AdcnH\$Z Hè` ng Annè` m Ago {ZXeZng `Bè` H\$
 gnVÈ` nju`gdH\$F _j`_mZ V\$ nH\$aVm Anój V Aem gd`V\$ nMm dma H\$É` nMr gYr
 àÉ` H\$ {dÚmí` nEm { i c Aer g(dYm H\$É` nV Amcero Anho

àÉ` H\$ {dÚmí` nZo àÉ` H\$ _nBè`nO` nju`Hè` nZYa ñd` _j`_mZ H\$and` nMo AgVo
 _j`_mZ nMo H\$S\$ Oa È` mcm gn\$ {dVm Amco Znhr Va È` mcm È` m _nBè`nO` _Yrc gd`H\$Vr

nám Hám` m cmVrc áhUOM Vno KQH\$ {dÚmí` nEm nUfUo g_Oè` nZYaM Vno nifc
KQH\$MoAÜ` `Z H\$e\$ eHc.

ñd` \$jè` _mnZngn-V {ej H\$H\$SZ _jè` _mZ` ihndo` nMr g(dYm gÜXm Xa VrZ Vo
Mna Milestone nU`Hè` nZYa H\$aÈ` nV Amccr Anho 3 Vo4 KQH\$nda hr MnMUr Agc
hr MnMUr {ej H\$ ñdV..hr V`na H\$é eH\$Vrc d` m MnMUrMoJw gH\$crV _jè` _mnZngnR\$
dmnaVm` Vrc. ABL À`m gn(hÈ` m_Ü` o AgUmaM àíZ {dMnandV Ago ZgZ MnMUrÀ¶m
àíZn\$ Ü¶o~Xc H\$aÈ¶mMoñdmV\$¶ {ej H\$Zm Anho

4.8 न[ाH\$ेनZmMo(dícfU :

C{0i> H&. 1 H\$Vrqq\$ AUqqZ nÖVrMm dma H\$eUeM nUo {OeomVrc ^m VrcMqM/Vrc {Oehm n[afXAqM emi Vrc BqIm XgarAqM {dUmI`nA`m 'anR\$ {dfqMnAqM gfmKZmV hnmam n[amr VnmgUo

4.8.1 न[ाH\$ेनZm- 1 Mo(dícfU :

nmafm[ah\$ nÖVrZo {eH\$Ue`m {dUmI`nA`m _anR\$ {df`nA`m gfmKZm`m npd©AmU CIma MnMUrA`m_Ü`_mZmV cj Ur` \saH\$ AmT:z `V Znr.

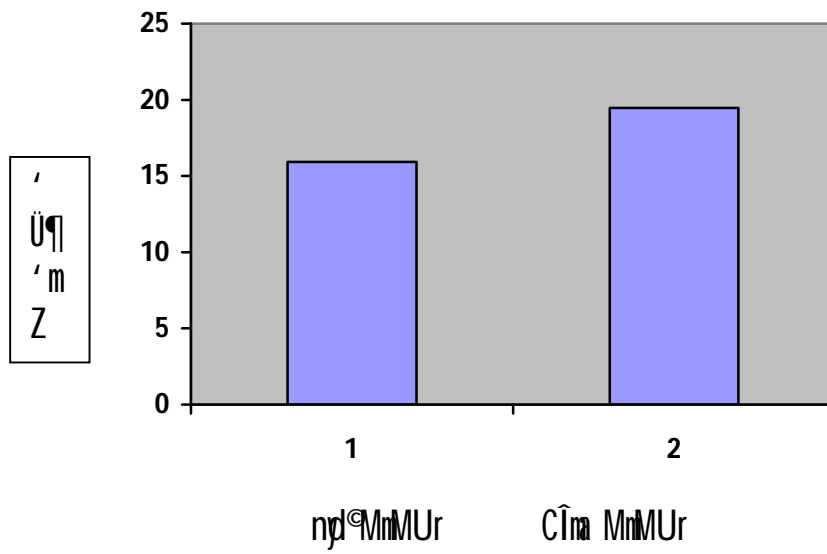
gmaUr H\$`nH\$ 4.10

n[ाH\$ेनZm1 Mo(dícfU

| Marathi | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|---------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| Non ABL | Pretest | 15.93 | 30 | 3.46 | 0.63 | -9.616 | 29 | 0.001 | 22.18 | sig |
| | Post-Test | 19.47 | 30 | 2.18 | 0.40 | | | | | |

nmafm[ah\$ nÖVrZo {eH\$Ue`m {dUmI`nA`m _anR\$ {df`nA`m gfmKZm`m npd©AmU CIma MnMUrA`m_Ü`_mZmV/rc \saH\$ emVÉ`ngnR\$ t narj U H\$co gmaUr H\$`nH\$ 4.10 deZ cj mV `Vo H\$, P_je` ho 0.01 ng m I n H\$_r Age`nZo amamH\$m_Ü`o cj Ur` \saH\$ AmT:z `Vno ahUz eY` n[ाH\$ेनZm ZnH\$macr.

Marathi Non ABL Group



And H\$ 4.8

gKZ _Ü_ nWc \SH\$ (Non ABL)

4.8.2 n[aH\$enZm- 2 Mo(dícfU :

C{Ôi> H\$. 2 Cn`P\$ AU``Z nÖVrMm dma H\$Une`m nWo {Oëøm/rc ^m VmcÖ`n/rc {Oëhm n[afXA`m emi Vrc B. XgarA`m {dÚmí`nA`m J{UV {df`nA`m gfmXZmV hnbJne`m n[aUm_n/r gÚpñVWr OnUjZ KWo

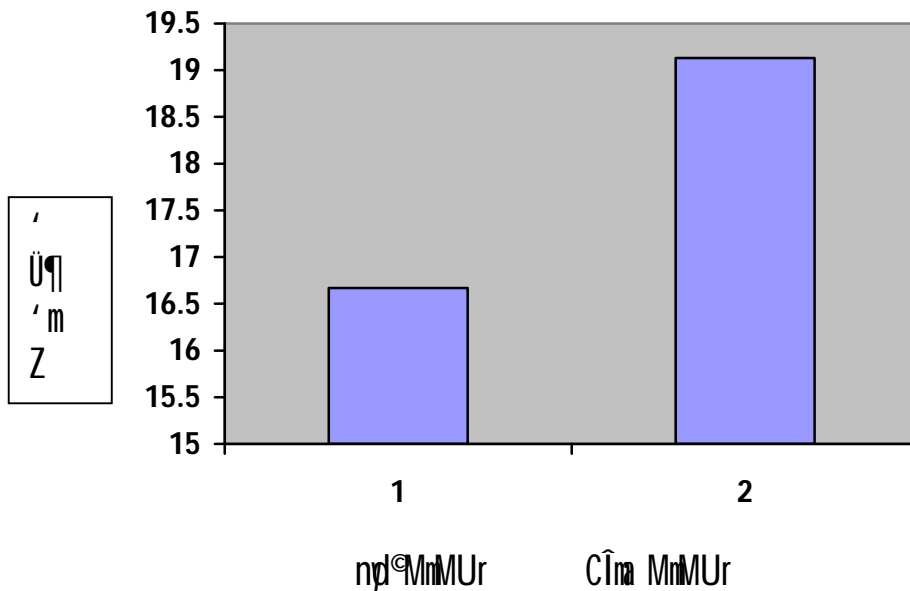
nnafm[aH\$ nÖVrZo {eH\$Une`m {dÚmí`nA`m J{UV {df`nA`m gfmXZmA`m npl©AmU CÎma MnMUrA`m_Ü`_mZmV cj Ur` \saH\$ AmT:z `V Znr.

**gmUr H\$ n\$ 4.11
n[aH\$enZm2 Mo(dícfU**

| Maths | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|---------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| Non ABL | Pretest | 16.67 | 30 | 2.87 | 2.61 | -10.560 | 29 | 0.001 | 14.80 | sig |
| | Post-Test | 19.13 | 30 | 2.61 | 0.48 | | | | | |

nnafm[aH\$ nÖVrZo {eH\$Une`m {dÚmí`nA`m J{UV {df`nA`m gfmXZmA`m npl©AmU CÎma MnMUrA`m_Ü`_mZm/rc \saH\$ emVÉ`mgnR: t narj U H\$co gmUr H\$ n\$ 4.11 deZ cj nV`Vo H\$, P_je` ho 0.01 ng m l yn H\$r Anho ahUjZ Agm {ZiHsf©{ZKvmo H\$, àmáH\$U`ocj Ur` \saH\$ AmT:z cmÉ`m_w oey` n[aH\$enZm ZnH\$acr.

Maths Non ABL



And H\$ n\$ 4.9

J{UV - gfmXZ_Ü`_mZm/rc \saH\$ (Non ABL)

4.8.3 n[aH\$enZm- 3 Mo(dícfU :

H\$Vr` P\$ AÜ` ` Z nÖVrZo{eH\$Une` m {dÚmí` nÁ` m _anR\$ {df` nÁ` m g\$imKZnÁ` m npl`
An(U CÎna MnMUrÁ` m _Ü` _nZnV/ \ \$H\$ AnTî; ž ` Vno

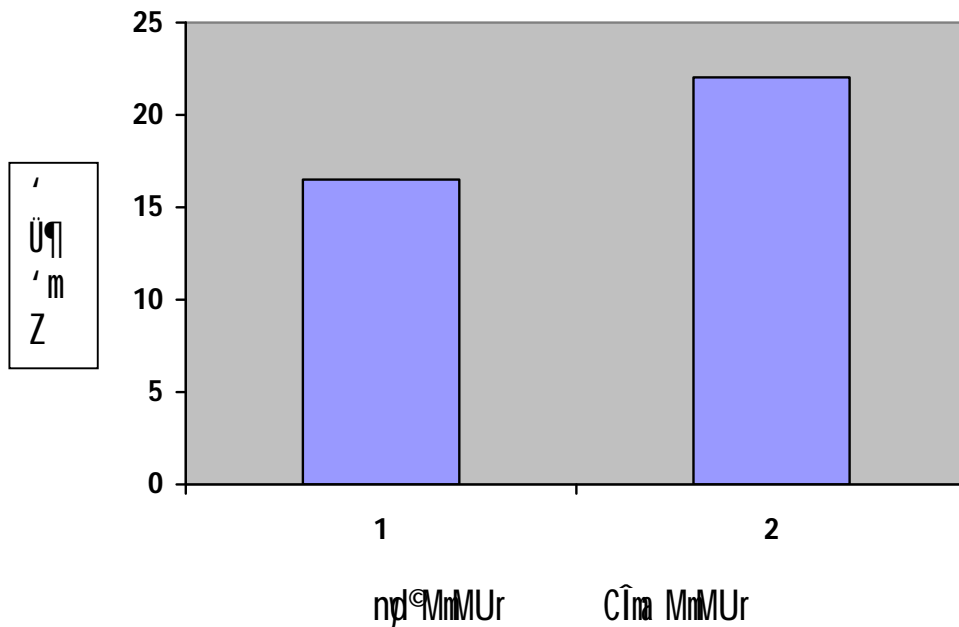
gnUr H\$ n\$ 4.12

n[aH\$enZm3 Mo(dícfU

| Marathi | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|---------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| ABL | Pretest | 16.50 | 30 | 1.30 | 0.24 | -14.159 | 29 | 0.001 | 33.54 | sig |
| | Post-Test | 22.03 | 30 | 1.69 | 0.31 | | | | | |

H\$Vr` P\$ AÜ` ` Z\$ nÖVrZo{eH\$Une` m {dÚmí` nÁ` m _anR\$ {df` nÁ` m g\$imKZnÁ` m npl`
An(U CÎna MnMUrÁ` m _Ü` _nZnVrc \ \$H\$ enVÉ` ngnR\$ t narj U H\$co gnUr H\$ n\$
4.12 deZ\$ cj mV ` Vno H\$, P _jè` ho 0.01 nj m I yM H\$_r Agè` nZo àmáns\$ _Ü` o
cj Ur` \ \$H\$ AnTî; ž ` Vno àhUž eý` n[aH\$enZm ZnH\$na cr.

Marathi ABL Group



Ancl H\$ n\$ 4.10

_anR\$ - g\$imKZ _Ü` _nZnVrc \ \$H\$ (ABL)

4.8.4 n[ah\$enZm- 4 Mo(dícfU :

H\$Vr` p\$ AÜ` ` Z nÖVrZo{eH\$Uñe` m {dÚmí` nÁ` m J{UV {df` nÁ` m gñmKZnÁ` m npl©
 An(U CÍna MnMUrÁ` m _Ü` _nZnV \ \$H\$ Antí; ž ` Vno

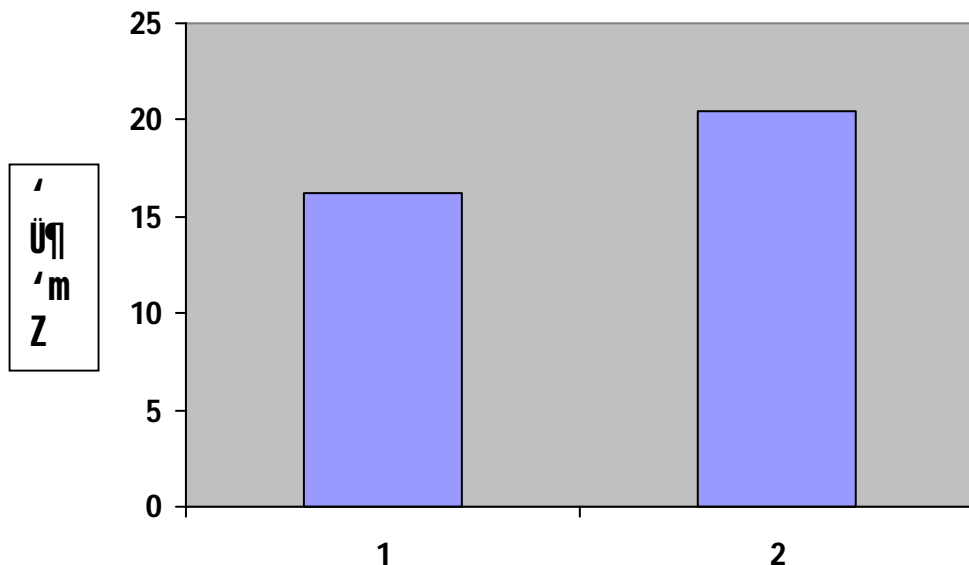
gnUr H\$ n\$ 4.13

n[ah\$enZm4 Mo(dícfU

| Maths | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|-------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| ABL | Pretest | 16.23 | 30 | 2.08 | 0.38 | -14.159 | 29 | 0.001 | 26.10 | sig |
| | Post-Test | 20.47 | 30 | 1.86 | 0.33 | | | | | |

H\$Vr` p\$ AÜ` ` Z\$ nÖVrZo{eH\$Uñe` m {dÚmí` nÁ` m J{UV {df` nÁ` m gñmKZnÁ` m npl©
 An(U CÍna MnMUrÁ` m _Ü` _nZnVrc \ \$H\$ enVÉ` ngnR\$ t narj U H\$co gnUr H\$ n\$ 4.13
 4.13 dešZ cj nV `Vo H\$, P _e` ho 0.01 nj m I yM H\$_r Agè` nZo àmáñ\$ _Ü` o
 cj Ur` \ \$H\$ Antí; ž ` Vno áhUž eý` n[ah\$enZmZnH\$acr.

Maths ABL



npl©MnMUr CÍna MnMUr

And H\$ n\$ 4.11

J{UV - gñmKZ _Ü` _nZnVrc \ \$H\$ (ABL)

4.8.5 न[ाH\$ेनZm- 5 Mo(dícfU :

न[ाH\$ेनZm d H\$Vr`r\$ AU` `Z nŌVrZo {eH\$Une` m {dŪmí` nĀ` m _anR\$ {df` nĀ` m g\$mkZnĀ` m n[ā`An(U CĪna MnMUrVrc \ \$aH\$Ā` m _Ū` _mZmV cj Ur` \ \$aH\$ AmT: ĳ` V Znr.

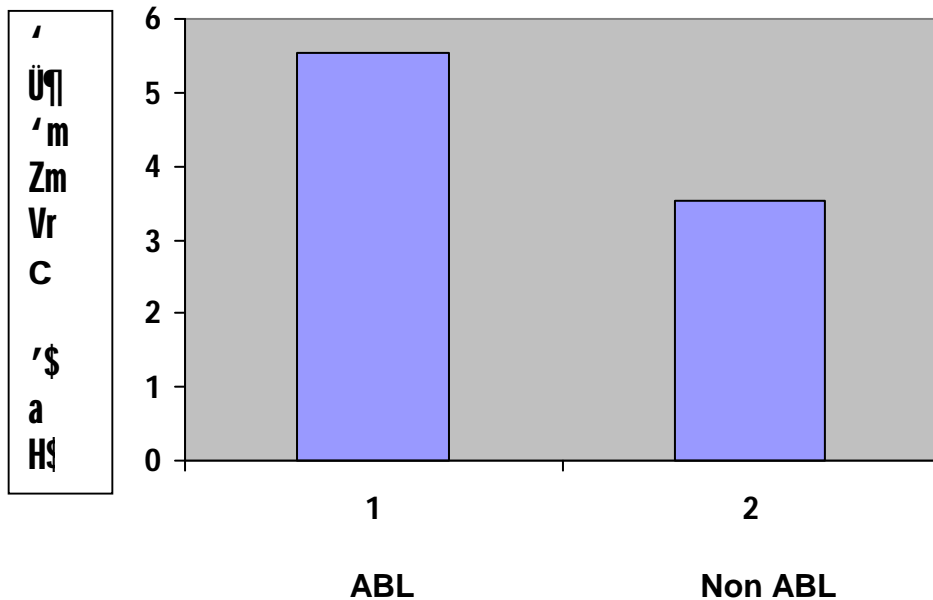
gnaUr H\$` n[ā` 4.14

_anR\$ g\$mkZ _Ū` _mZmVrc \ \$H\$ ABL d Non ABL

| | | Mean Diff | SD | SE | t-Value | P-Value | Result |
|---------|---------|-----------|------|------|---------|---------|--------|
| Marathi | ABL | 5.53 | 1.07 | 0.23 | 2.747 | 0.008 | sig |
| | Non ABL | 3.53 | 2.60 | 0.37 | | | |

न[ाH\$ेनZm d H\$Vr`r\$ AU` `Z\$ nŌVrZo {eH\$Une` m {dŪmí` nĀ` m _anR\$ {df` nĀ` m g\$mkZnĀ` m n[ā`An(U CĪna MnMUrVrc \ \$aH\$Ā` m _Ū` _mZmVrc \ \$aH\$ enVĒ` mgnR\$ Unpaired t-test narj U H\$co gnaUr H\$` n[ā` 4.14 dēZ Ago g_OVo H\$, P_ĳ` ho 0.05 n[ā` m H\$_r Anho `ndēZ Agm {ZiH\$F`{ZKvno H\$, àmān[ā`m_Yrc ~XcmV cj Ur` \ \$aH\$ AmT: VnoāhUĳ` eĳ` n[āH\$ेनZm ZnH\$ma cr.

Comparison Between ABL And Non ABL



Ancl H\$` n[ā` 4.12

_anR\$ g\$mkZ _Ū` _mZmVrc \ \$H\$ ABL d Non ABL

4.8.6 n[aH\$enZm- 6 Mo(dícfU :

nmašm[aH\$ d H\$Vr` r\$ AU` `Z nŌVrZo {eH\$Uñe` m {dŪmí` nA` m J{UV {df` nA` m gšmKZnA` m npl©Am(U CĪma MnMUrVrc \s\$H\$A` m _Ū` _mZmV cj Ur` \s\$H\$ AmT:ž `V Znr.

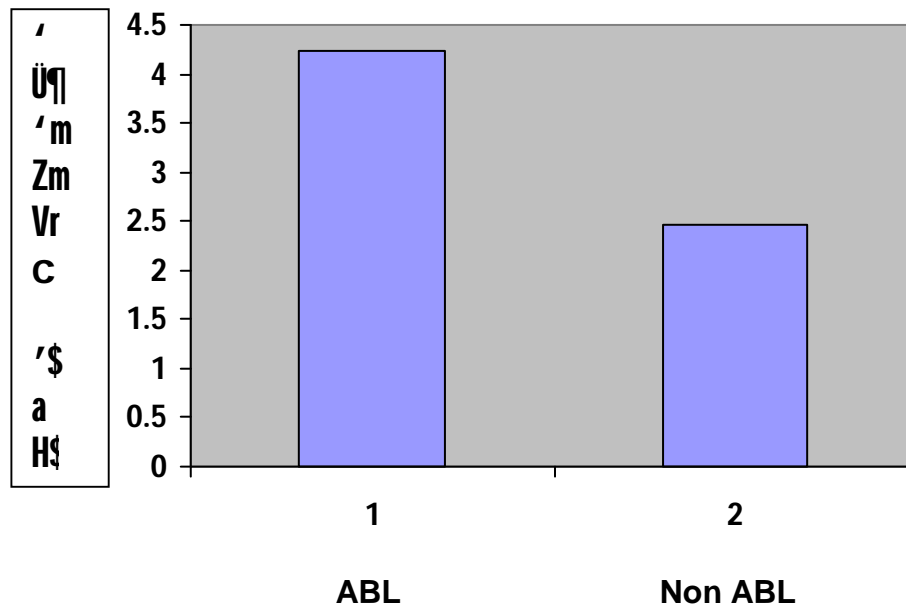
gmaUr H\$ r\$ 4.15

J{UV gšmKZ _Ū` _mZmVrc \s\$H\$ ABL d Non ABL

| | | Mean Diff | SD | SE | t-Value | P-Value | Result |
|-------|---------|-----------|------|------|---------|---------|--------|
| Maths | ABL | 4.24 | 1.64 | 0.24 | 2.605 | 0.012 | sig |
| | Non ABL | 2.47 | 1.94 | 0.23 | | | |

nmašm[aH\$ d H\$Vr` r\$ AU` `Z nŌVrZo {eH\$Uñe` m {dŪmí` nA` m J{UV {df` nA` m gšmKZnA` m npl©Am(U CĪma MnMUrVrc \s\$H\$A` m _Ū` _mZmVrc \s\$H\$ enVĒ` mgnR\$ Unpaired t-test narj U H\$co gmaUr H\$ r\$ 4.15 dēZ Ago g_OVo H\$, P_ē` ho 0.05 nġ m H\$_r Anho `ndēZ Agm {ZiH\$F©{ZKVno H\$, àmānšm_Yrc ~XcmV cj Ur` \s\$H\$ AmT:ž VnoāhUž eý` n[aH\$enZm ZnrH\$ma cr.

Comparison Between ABL And Non ABL



Ancl H\$ r\$ 4.13

J{UV gšmKZ _Ū` _mZmVrc \s\$H\$ ABL d Non ABL

4.9 **_mhr gH\$CZ H\$VnZmAnccoAZnd :**

- 1) AnXaUr¶ {ej UmYH\$nar {Oehm n[afX nUo (anV{H)\$, 'mZZr¶ JQ{ej UmYH\$nar nMm V g{Vr, ^m, gd©H\$D à_vt , _w`nU`mH\$, g\$-§YV emi nMo{ej H\$`nMoemi oÜ`ogemH\$ {df`H\$ _mhr gH\$CZ H\$E`ngnR\$ AJXr CIm_ghH\$m Q_i mco
- 2) {df¶mer g\$-§YV {ej H\$Zr npd©d CÎna MnMUrA`m CÎnan{IH\$m VnngZ XE`ngnR\$ AE`y Mnd nUo O~m-Xnar nccr. H\$hr {ej H\$Zm _m draQna g\$Z àÍZndcr ^éz XE`ng {dZVr H\$cr.
- 3) {dUmí`nZrgUxm npd©d CÎna MnMUrgr\$ A{Ve` NæZ à{VgnX {Xcm
- 4) JQ {ej UmYH\$nar, H\$D à_vt , _w`nU`mH\$, g\$-§YV {ej H\$`nZn{dUmí`ngnR\$ An¶noV H\$ce¶m npd©d CÎna MnMUrdeZ ¶Umo {ZiH\$F©OmUz KÊ`m-m-VMr CÉgm\$Vm {Xgz Anccr.

4.10 **g_nam :**

AemH\$no añVW àH\$aUnV _mhrVrMo {dícfU d AWZdMIZ H\$aE`nV Ancco E`ngnR\$ g\$`nE`H\$ gmYZnÜ`o eH\$S\$nar _Ü`_mZ, à_nU {dMcZ d t narj U, Anccd Cn¶no H\$aE`nV Anccm VgM _mhrVr gH\$CZ H\$VnZmAnccoAZnd {deX H\$ccoAnhV.

n¶rc àH\$aUnV `m {dícfUnA`m AnYmo C{OinZyga {ZiH\$F©H\$ntE`nV Ancco AnhV d n¶rc g\$nmYZngnR\$ {df`H\$ d {e\Shar gm{dE`nV Anccè`m AnhV.

àH\$U - 5

g\$en/Zn/rc grané, {ZîH\$F©

d {e'\$ner

àH\$U -5
gēn/Znrc grāfē, {ZiH\$F© d {e' \$ner
AZH\$ {UH\$m

| A.H& | Vn{ec | nō>H\$ rj\$ |
|------|---|-------------|
| 5.1 | ànVndZm | 126 |
| 5.2 | grāfē | 127 |
| | 5.2.1 ànW{ _H\$ {ej U | 127 |
| | 5.2.2 H\$Vq{P\$ AUq{q{Z nOVrMr JaO | 127 |
| | 5.2.3 gēn/Z {dfq{mMr JaO d ' hld | 128 |
| | 5.2.4 gēn/ZnMoerfP\$ | 129 |
| | 5.2.5 gēn/Z g' n{m{dYnZ | 129 |
| | 5.2.6 g{SēnZnE' H\$ i{m»{r | 129 |
| | 5.2.7 H\$m nE_ H\$ i` m»` n | 130 |
| | 5.2.8 gēn/ZnMr C{O'i: | 130 |
| | 5.2.9 gēn/ZnMr J{hVH\$ | 131 |
| | 5.2.10 gēn/Z n[aH\$ēnZn | 131 |
| | 5.2.11 eW{ n[aH\$ēnZn | 131 |
| | 5.2.12 gēn/ZnMr i{mār | 132 |
| | 5.2.13 gēn/ZnA` m n[a` n{m | 132 |
| | 5.2.14 gēn/ZnA` m _` n{r | 133 |
| | 5.2.15 gēn/Z nUXVr | 133 |
| | 5.2.16 gēn/ZnMr H\$m nOVr | 133 |
| | 5.2.17 OZg\$` n | 133 |
| | 5.2.18 Z`_m{ZdS: | 133 |
| | 5.2.19 _n{hVr g{S{cZnMr gmYZ | 134 |
| | 5.2.20 g\$` memór` V{ o | 134 |
| | 5.2.21 gēn/Z H\$m nhrMoO&n | 134 |
| | 5.2.22 g{S{cV _n{hVrMo{d{icfU | 134 |
| 5.3 | g\$-YV gr{hE` g\$` m Xe{dUmar grāUr | 143 |
| 5.4 | {ZiH\$F© | 143 |
| | 5.4.1 n[aH\$ēnZnA{m nS\mi UrdēZ { ' i nbo{ZiH\$F© | 143 |

| | | |
|-----|--|-----|
| | 5.4.2 $g_{\text{en}}/ZnA^{\dagger}m C(Oi^{\dagger}n Zngna \{ZiHsf^{\circ}$ | 146 |
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| 5.5 | $\{e\}n\text{er}$ | 148 |
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| | 5.5.3 $emgZngnR\} \{e\}n\text{er}$ | 149 |
| 5.6 | $nT^{\dagger}c g_{\text{en}}/ZngnR\} \{df^{\dagger}$ | 150 |
| 5.7 | $g_{\text{en}}/ZnMo^{\dagger} noXmZ$ | 150 |
| 5.8 | g_namn | 150 |

àH\$U 5

gënyZnVrc granfë, {ZiH\$F©d {e'S\$ner

5.1 àñVndZm:

gënyZnMo{ZiH\$F©hm gënyZnMm AÉ¶¶ _hîdnj©^ml Anho gënyZnVZ {ZKmc©© {ZiH\$F©ho AmYna gm_Jker g\$-§YV AgVnV AnU Vo {d{ei>n[apñWVrV Cn`mlr RaVnV. àñVW àH\$UmlV gënyH\$Zo gënyZnMm granfë gëdnVrcm {Xccm AgZ È`nda AmYnfaV _hîdnMod Rj H\$ {ZiH\$F©{Xcc©AnhV AnU {e'S\$ner H\$çè`m AnhV.

JWdîmm dmt> hm MMMm {df¶¶ an{hcm ZgZ É¶¶ngnR\$ àÉ¶¶j H\$VrMr Andí¶¶H\$Vm Anho H\$hr à`nU dJi Vm AmVm 'wcoeni V Xml c hñ¶¶mMoà`nU g`nYnZH\$naH\$ Anho Or Wn\$ 'wcoeni m-mø AnhV É¶¶ngnR\$ gôm {d{dY nVandéSZ à¶¶EZ gë\$ AnhV.

{ej UmMm XOm©dmt>{dÉ¶¶ngnR\$ {Oëhm ànV{`H\$ {ej U H\$¶¶¶¶\$ (S\$arBñr), gd© {ej mA{^¶¶mZ, amí¶¶¶¶ 'nU¶¶¶¶ H\$ {ej mA{^¶¶mZ A¶¶J¶ AZH\$ à¶¶EZ PmcV d gë\$ AnhV. {Oëhm nm/i rdéSZhr {Oëhm n[afXnMo 'm 'w¶¶¶ H\$¶¶¶¶\$ A{YH\$nar, 'm {ej UmYH\$nar (ànV{`H\$) ¶¶¶r H\$hr CnH\$' gë\$ H\$coAnhV. naYwVri H\$ à`nUmV H\$hr AndnX dJi Vm ej {UH\$ XOm¶ gYnaUm Pnë¶¶mMo 'sngo{ZXeZng ¶¶V Znhr.

ej {UH\$ JWdîmm dmt>gnR\$ à¶¶EZerc AgUmaonWo{Oëhm n[afXMonXmYH\$nar, 'm 'w¶¶¶ H\$¶¶¶¶\$ A{YH\$nar, 'm {ej UmYH\$nar (ànV{`H\$) ¶¶¶r H\$D engZnH\$S\$ Zn{dY¶¶mJ© CnH\$ nYJ¶¶ "Xn[aDç {Z'çZngnR\$ j 'Vm dÖr' (Capacity Building for Poverty Reduction) hm Aä¶¶ngnJ©^àñVnd gnXa H\$cm É¶¶m Ü¶¶o nWo{OëøñVrc ^na Vncw¶¶mMr "H\$V¶¶\$ AÜ¶¶Z nÖVr' (Activity Based Learning - ABL) gnR\$ àn¶¶¶UH\$ Vîdnnda {ZdS>H\$É¶¶mV Amcr.

H\$D engZnH\$S\$ àmá Pmc¶¶m {ZYr' YZ H\$di gn{hÉ¶¶ {Z{`¶¶Mo 70% H\$mr nJ© Pmco CnH\$ nMr Cn¶¶¶Vm cj nV KDSZ hr AÜ¶¶mZ nÖVr n[aUm H\$naH\$aÉ¶¶m H\$¶¶¶¶dV H\$É¶¶ngnR\$ {Oëhm {Z¶¶nDZ g{`Vr 'm ¶¶¶ Andí¶¶H\$ Vno{ZYr CncäY H\$éSZ {Xcm Anho

5.2 ગ્રામ :

5.2.1 અભિવ્યક્તિ (જાણ) :

નિદાનથી નિપજાઈતી ની ^નાવની અભિવ્યક્તિ (જાણ) નીમમ \શાગમ અગ્રા પ્રત્યક્તિ ઝિહવમ ઈં નિયો
નિપજાઈતી અભિવ્યક્તિ (જાણ) નીમમ દોનઝો {દિવના પ્રિં નીમમ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી
અભિવ્યક્તિ (જાણ) ગ_મિનિપજાઈતી જિન> અહીં ઝાંતિ અભિવ્યક્તિ (જાણ) નીમમ-વિર ઓવિર પ્રત્યક્તિ
{Xગઝ `વો

_નિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {પ્રિમમ નિપજાઈતી અભિવ્યક્તિ (જાણ) નીમમ ગ્રામ^વ દ
ગિનિપજાઈતી પ્રત્યક્તિ અભિવ્યક્તિ (જાણ) નીમમ ઝાંતિ ~નિપજાઈતી ~ઝાંતિ ઝાંતિ અભિવ્યક્તિ (જાણ)
ઝાંતિ દિવનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ)
અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
{દિવના પ્રિં નીમમ-વિર ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
નિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો

{દિવના પ્રિં નીમમ-વિર ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
નિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો

I hear, I forget

I Read, I Remember

I do, I Learn

નિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો
અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો _વત્તઝા` મ નોઝનિપજાઈતી અભિવ્યક્તિ (જાણ) ઝાંતિ {Xગઝ `વો

5.2.2 અભિવ્યક્તિ (અભિવ્યક્તિ) (ABL) જાણ :

According to Dhand (1995), "Child centered educational aids to foster self learning and allows a child to study according to his/her aptitude and skill.

Activities in each milestone include games, rhymes, drawing and songs to teach a letter of a word, or understand a concept."

5.2.3 gēnVZ {dfqnmr Ja0 d 'hîd :

H\$nbÉqim d qmV H\$mq, {H\$Vr An(U H\$go {eH\$mqMo ho AäqmgH\$' {ZpîMV H\$&V Agēqmr i o AäqmgH\$' hm {ej UmÄqim JwDîmMo A{d^mÄq A\$ Anho gmqm} d n[an¹\$ AäqmgH\$' nMr {Z{ ' Vr hr JwDîm gmVÉqimÄqim dn0alaMo ' hîdmMonnD\$C RaVo

' hnami>anÄqimMr nWmZm Pmcr Éqimdo r ZmJnq, npîM' ' hnami>d ' anRædn\$mqim VrZ {d^mJmV {Za{Zami o AäqmgH\$' gne\$ hnb0 ÉqimMo EH\$gürH\$aU H\$e\$Z d ÉqimMr C\$Mr dmiætz emórq nÖVrZo ànW{' H\$ {ej U AäqmgH\$' 1968 Vqma H\$aÉqimV Amcm qim AäqmgH\$' nÄqim Xhm 'w^v C{0iæH\$ àW' C{0i> {ej Um{dfqir AndS> {Z' n0 hnd\$Z AÜq' ZnÄqim nmqim^v gmVZn0la nng0a^hîd gñmKZ H\$aVm qimdo Agohnb0

namVZ H\$ni mnngZ {ej U à{H\$mqMm {dMna H\$cm Va {ej U H\$nb r qimdo? H\$nbVo {ej U qimdo? ho gd©Jæ\$, {ej H\$, {dUmnrR> d engZ qim KOH\$Zr {ZpîMV H\$co H\$Yr 'wcmcm ' nVrMo ^n\$ag' OcoJco Va H\$Yr Éqim Jmüqimcm AnH\$a ÜmqimM àqEZ H\$cm na\$w qim gdm Üqo H\$VnPH\$a{dVm hm {ej H\$! j 'VmY{0v ànW{' H\$ {ej U AäqmgH\$' 1995 Zmna Bqim 1 cr Vo5 dr grR\$ 'nVmfmq J{UV d n[aga Aäqmg qim {dfqimgrR\$ I W~Ö 'n\$Ur AgUméqim {H\$' nZ AÜqimZ j 'Vm {ZpîMV H\$éqim d Éqim {dH\$gV H\$aÉqimMr O~m-Xnar {ej H\$0la Amcr. qim gd©aqEZnV AÜqimZmqj m AÜqimZ 'hîdmMo' nZcoJco

àm{cV {ej U nÖVrV {ej H\$ d°sm d {dUmWu 'mì {ZpîH\$} I nbm AgVno {dUmíqimH\$S\$Z H\$Vr hnbV ZgēqimZo qH\$dm Or H\$Vr {dUmíqimH\$S\$Z H\$e\$Z KVcr OnV0 Vr {eH\$ÉqimgrR\$ nmer ZgēqimZo{dUmíqimMo AÜqimZ n[aUm H\$aH\$ hnbV Znhr. ÉqimgrR\$ H\$VrÄqim 'nÜq' nVZ {dUmíqimZo {eH\$ndo Agm AmJk Yacm Va AÜqimZ n[aUm H\$aH\$ hnb0, qim {dMnanda H\$Vqim\$ AÜqimZ nÖVr (ABL) AnVnaccr Anho qim nÖVrgne-VM AnnéqimH\$S\$c npluMr EH\$ {ej H\$ emi m, ~hplJ©AÜqimZ V0 qimVnhr {dMna H\$e\$Z nb0 {0e0mV hr nÖV àmqimJH\$ Vîdnda {dH\$gV H\$aÉqimV Amccr Anho {ej U h,\$ H\$mqimÄqim Üqim YmUmer gq\$V Aer hr H\$Vqim\$ AÜqimZ nÖVr Anho àÉqj gmVÉqimJ© gdH\$f 'jéq' mnZ nÖVrMm qimV nVJ... dma H\$cm Anho {dUmWu AZ² {ej H\$ qim XnkZnhr

3. H\$V\$ AU\$ nO\$Vr am- {dUmao{ej H\$ d ' \$n\$H\$ \$n\$ ' VoOnUz KWo

5.2.9 g\$YzMr J\$VH\$:

1. dJm\$ ~ncz qH\$dm dnMz Xnl {dUo `mgj m "H\$S\$ {eH\$Uo hr {eH\$ \$n\$Mr gdm\$
à^ndr nUXV Anho (a' e nmZgo 2016, n\$H\$. 59)

2. H\$Vr` \$ AU` ` Z nO\$Vr hr AU` ` Znda A{YH\$ n[aUm_H\$H\$VZoà^ndr nnsVo
(H\$V\$V AU\$ nUXVr {ej H\$ à{ej U n[VH\$m 2012, n\$H\$. 11)

5.2.10 g\$YZ n[aH\$enZm:

H1. nna\$naH\$ nO\$VrZo {eH\$Une` m {dUmí` nA` m _anR\$ {df` nA` m g\$KZnA` m npl©An(U
CÎna MnMUrA` m_Ü` _nZnV \ \$aH\$ AmT\$ z ` Vno

H2. nna\$naH\$ nO\$VrZo {eH\$Une` m {dUmí` nA` m J{UV {df` nA` m g\$KZnA` m npl©An(U
CÎna MnMUrA` m_Ü` _nZnV \ \$aH\$ AmT\$ z ` Vno

H3. H\$Vr` \$ AU` ` Z nO\$VrZo {eH\$Une` m {dUmí` nA` m _anR\$ {df` nA` m g\$KZnA` m npl©
An(U CÎna MnMUrA` m_Ü` _nZnV \ \$aH\$ AmT\$ z ` Vno

H4. H\$Vr` \$ AU` ` Z nO\$VrZo {eH\$Une` m {dUmí` nA` m J{UV {df` nA` m g\$KZnA` m npl©
An(U CÎna MnMUrA` m_Ü` _nZnV \ \$aH\$ AmT\$ z ` Vno

H5. nna\$naH\$ An(U H\$Vr` \$ AU` ` Z nO\$VrZo {eH\$Une` m {dUmí` nA` m _anR\$ {df` nA` m
g\$KZnA` m npl©An(U CÎna MnMUrVrc \ \$aH\$A` m_Ü` _nZnV \ \$aH\$ AmT\$ z ` Vno

H6. nna\$naH\$ An(U H\$Vr` \$ AU` ` Z nO\$VrZo {eH\$Une` m {dUmí` nA` m J{UV {df` nA` m
g\$KZnA` m npl©An(U CÎna MnMUrVrc \ \$aH\$A` m_Ü` _nZnV \ \$aH\$ AmT\$ z ` Vno

5.2.11 eY\$ n[aH\$enZm:

H01. nna\$naH\$ nO\$VrZo {eH\$Une` m {dUmí` nA` m _anR\$ {df` nA` m g\$KZnA` m npl©An(U
CÎna MnMUrA` m_Ü` _nZnV cj Ur` \ \$aH\$ AmT\$ z ` V Znr.

H02. nna\$naH\$ nO\$VrZo {eH\$Une` m {dUmí` nA` m J{UV {df` nA` m g\$KZnA` m npl©An(U
CÎna MnMUrA` m_Ü` _nZnV cj Ur` \ \$aH\$ AmT\$ z ` V Znr.

H03. H\$Vr` W\$ AU` ` Z nŌVrZo{eH\$Uñe` m {dÚmí` nÁ` m _anR\$ {df` nÁ` m gñmKZnÁ` m npl©
An(U CÎna MnMUrÁ` m_Ü` _mZnV cj Ur` \ \$H\$ AmT\$ ȳ ` W Znr.

H04. H\$Vr` W\$ AU` ` Z nŌVrZo{eH\$Uñe` m {dÚmí` nÁ` m J{UV {df` nÁ` m gñmKZnÁ` m npl©
An(U CÎna MnMUrÁ` m_Ü` _mZnV cj Ur` \ \$H\$ AmT\$ ȳ ` W Znr.

H05. nmañm[aH\$ An(U H\$Vr` W\$ AU` ` Z nŌVrZo{eH\$Uñe` m {dÚmí` nÁ` m _anR\$ {df` nÁ` m
gñmKZnÁ` m npl© An(U CÎna MnMUrVrc \ \$H\$ nÁ` m _Ü` _mZnV cj Ur` \ \$H\$
AmT\$ ȳ ` W Znr.

H06. nmañm[aH\$ An(U H\$Vr` W\$ AU` ` Z nŌVrZo{eH\$Uñe` m {dÚmí` nÁ` m J{UV {df` nÁ` m
gñmKZnÁ` m npl© An(U CÎna MnMUrVrc \ \$H\$ nÁ` m _Ü` _mZnV cj Ur` \ \$H\$
AmT\$ ȳ ` W Znr.

5.2.12 gñmZnM r ìŋnar :

1. gXa gñmZ Jm' U ^mJmVrb BŋÎm XŋarÁŋm AUŋmZmer {ZJS\$V Anho
2. àñVW gñmZ ^na VmçŋmVrc BŋÎm XŋarÁŋm 'anR\$ d J{UV {dfŋmer {ZJS\$V
Anho

5.2.13 gñmZnMŋm[a' ŋm:

àñVW gñmZnMrc {díçfU ho{dÚmVu MnMUr An(U {ej H\$ d ' WŋmŋmH\$ŋm
àíZndcrVrc à{VgnXñla AnYnarV Anho

1. gXa gñmZ '\$\$ H\$Vŋr\$ AUŋŋZ nŌVrÚnao {eH\$Uñeŋm {dÚmíŋmŋa hnbñeŋm
n[aUm nŋŋm AäŋmŋmVon[a' ŋmXV Anho
2. gXa gñmZ ho nŋo {OëønVrc ^na VmçŋmVrc àñV{ H\$ emi nŋVo n[a' ŋmXV
Anho
3. àñVW gñmZ ho ej {UH\$ df©2014-15 ŋm H\$ncndYrV {eH\$Uñeŋm {dÚmíŋmŋaVo
n[a' ŋmXV Anho
4. gXa gñmZnM H\$Vŋr\$ AUŋŋZ nŌVrÚnao 'anR\$ d J{UV {dfŋmŋm AUŋŋZnMm
Aäŋm Hçm Anho BVa {dfŋmŋm Znr.
5. gXa gñmZnMo{ZîH\$ŋm BŋÎm XŋarÁŋm {dÚmíŋmZm cmŋyanhVrc.

5.2.14 gēnVZnMr 'qinAm:

ānVW gēnVZnVrc {dícǫU ho {dÚmVu MnMUr, {ej H\$ d 'w qnÚqnmH\$ qnÁqim
àíZndcrVrc à{VgnXnda AmVn[aV Anho

5.2.15 gēnVZ nŌVr :

ānVW gēnVZ dUzĒ' H\$ gēnVZ nŌVrVrc gdj U nŌVrZoHōccōAnho

5.2.16 gēnVZnMr H\$ qnŌVr :

ānVW gēnVZ nŌVr nŌVr qnŌVr qnŌVr HōccōAnho

1. g\$-ŶV gmhĒqnmM AmT xdm KVcm
2. {dÚmġnġnR\$ ' anR\$ d J{UV {dfqnm/r MnMUr Vqna Hōcr.
3. {ej H\$ d 'w qnÚqnmH\$ qnÁqimR\$ àíZndcr Vqna Hōcr.
4. 'm(hVr gŷH\$Z Hōco
5. 'm(hVrMo{dícǫU d AWZdMIZ Hōco
6. Ahdnc Vqna Hōcm

5.2.17 OZg\$ qim:

nŌVr {OēømVrc ^na Vmcr qimVrc {Oēhm n[afXA qim EHŶU 277 emi m hr CncāY
OZg\$ qim hnr.

5.2.18 Z_ŵm{ZdS>:

nŌVr {OēømVrc ^na Vmcr ŵmVrc {Oēhm n[afXA m EHŶU 277 emi m hr CncāY
OZg\$ mH\$ Á`m ānVW_H\$ emi Vrc B`Īm XgarMr nŌVr m nŌVr qH\$dm nŌVr m OmŶV
Anho Aem H\$V`Ŷ\$ AŪ`Z nŌV am-{dUnē`m 51 emi nŌV\$ 40 d H\$V`Ŷ\$ AŪ`Z
nŌV Z am-{dUnē`m 226 emi nŌV\$ 117 emi nŌVr {ZdS>Hōcr. `mVrc H\$V`Ŷ\$ AŪ`Z
H\$Unē`m 405 d H\$V`Ŷ\$ AŪ`Z Z H\$Unē`m 1060 {dÚmġnġnR\$ àĒ`j gēnVZnġnR\$
30 nŌVr m AgUnē`m XnZ emi nŌVr {ZdS>Hōcr d Ē`mVrc EHŶU 60 {dÚmġnġnR\$
āhUj {ZdS>Hōcr.

n[aH\$enZm1 Mo(dícfU :

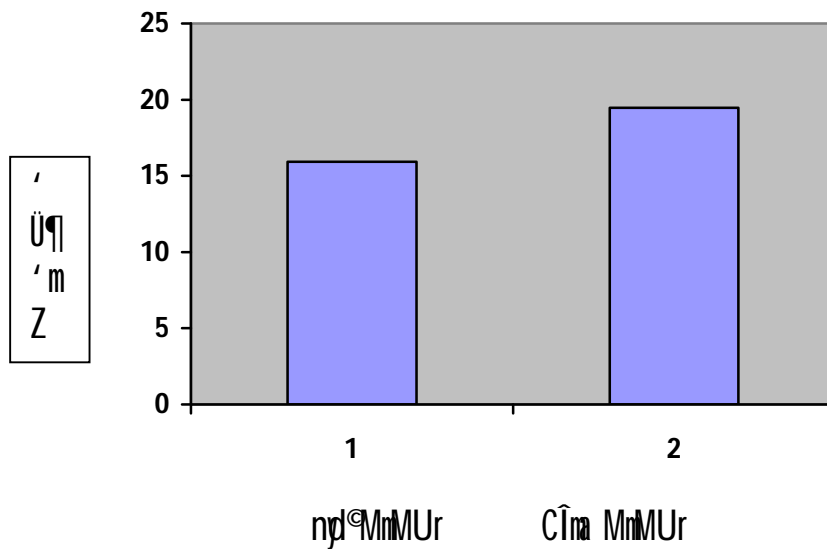
nna[afn[aH\$ nÖVrZo{eH\$Uñè`m {dÚmí`nÁ`m _anR\$ {df`nÁ`m gñKZnÀ`m npl©An(U CÎna MnMUrÀ`m_Ü`_mZnV cj Ur` \sH\$ AmTî ž `V Znhr.

gmUr H\$ rñ\$ 5.1

| Marathi | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|---------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| Non ABL | Pretest | 15.93 | 30 | 3.46 | 0.63 | -9.616 | 29 | 0.001 | 22.18 | sig |
| | Post-Test | 19.47 | 30 | 2.18 | 0.40 | | | | | |

gmUr H\$. 11 déZ Agocj nV `VoH\$ P_je` ho0.01 n[m I yn H\$_r Agè`nZo àmáñ[ñ\$ Ü`o cj Ur` \sH\$ AmTî ž `Vno áhUž eŸ` n[aH\$enZMm È`n[H\$cm d YZ n[aH\$enZm pñdH\$na cr `mde\$Z nna[afn[aH\$ nÖVrZo{eH\$Uñè`m {dÚmí`nÁ`m _anR\$ {df`nÁ`m gñKZnÀ`m npl©d CÎna MnMUrÀ`m_Ü`_mZnV \sH\$ AmTî ž `Vno

Marathi Non ABL Group



And H\$ rñ\$ 5.1

_anR\$ - gñKZ _Ü`_mZnV C \sH\$ (Non ABL)

n[aH\$enZm2 Mo(dícfU :

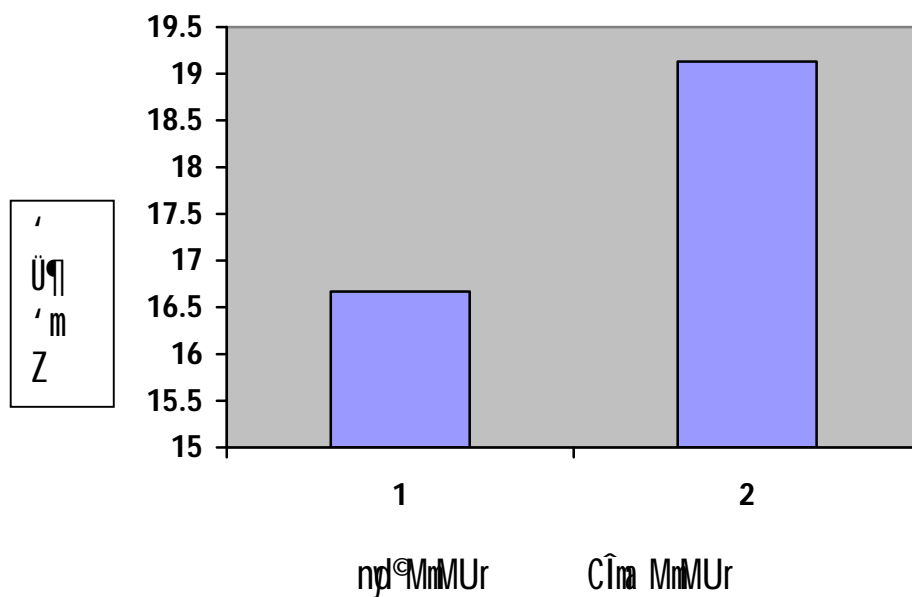
nma[afH\$ nÖVrZo(eH\$Uñè`m {dÚmí`nÁ`m J{UV {df`nÁ`m g[fnKZnÁ`m npl©Am(U CÎna
MnMUrÁ`m_Ü`_nzNv \sH\$ AmT:z `Vno

gmUr H\$ r[5.2

| Maths | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|---------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| Non ABL | Pretest | 16.67 | 30 | 2.87 | 2.61 | -10.560 | 29 | 0.001 | 14.80 | sig |
| | Post-Test | 19.13 | 30 | 2.61 | 0.48 | | | | | |

darc gmUrdéZ Ago cj nV `Vo H\$ P_je` ho 0.01 ng m l yn H\$_r Agè`mZo
ànan[afH\$_Ü`o cj Ur` \sH\$ AmT:z `Vno ahUz eý` n[aH\$enZMm È`mJ H\$cm d YZ
n[aH\$enZm pñdH\$ncr `ndéZ nma[afH\$ nÖVrZo(eH\$Uñè`m {dÚmí`nÁ`m J{UV {df`nÁ`m
g[fnKZnÁ`m npl©d CÎna MnMUrÁ`m_Ü`_nzNv \sH\$ AmT:z `Vno

Maths Non ABL



And H\$ r[5.2

J{UV - g[fnKZ_Ü`_nzNvC \sH\$ (Non ABL)

n[aH\$enZm3 Mo(dícfU :

H\$Vr` P\$ AU` `Z nŌVrZo{eH\$Uñe` m {dÚmí` nÀ` m _anR\$ {df` nÀ` m g\$ñKZnÀ` m npl©Am(U

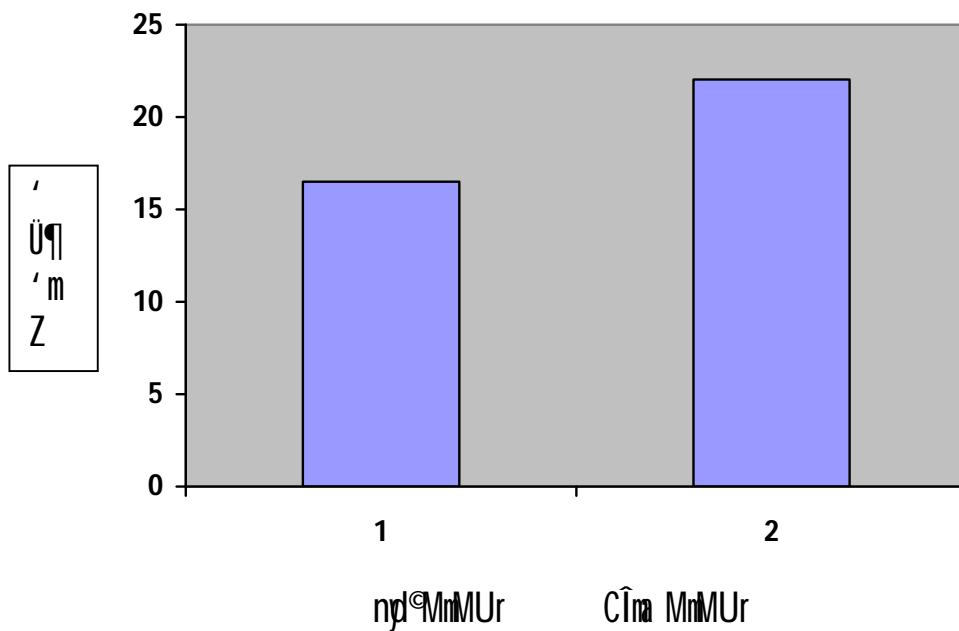
CÎna MnMUrÀ` m _Ü` _nZmV \ \$H\$ AmTî ÿ ` Vno

gnUr H\$ rŃ\$5.3

| Marathi | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|---------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| ABL | Pretest | 16.50 | 30 | 1.30 | 0.24 | -14.159 | 29 | 0.001 | 33.54 | sig |
| | Post-Test | 22.03 | 30 | 1.69 | 0.31 | | | | | |

darc gnUrdeZ Agocj nV ` VoH\$ P _ÿ` ho0.01 nŃ m l n H\$_r Agè` nZoànánH\$U` o
 cj Ur` \ \$H\$ AmTî ÿ ` Vno ahUÿ eÿ` n[aH\$enZMm È` w H\$cm d YZ n[aH\$enZm
 pñdH\$ncr `ndéZ H\$Vr` P\$ AU` `Z nŌVrZo {eH\$Uñe` m {dÚmí` nÀ` m _anR\$ {df` nÀ` m
 g\$ñKZnÀ` m npl©d CÎna MnMUrÀ` m _Ü` _nZmV \ \$H\$ AmTî ÿ ` Vno

Marathi ABL Group



And H\$ rŃ\$5.3

_anR\$ - g\$ñKZ _Ü` _nZmV \ \$H\$ (ABL)

n[aH\$enZm4 Mo(dícfU :

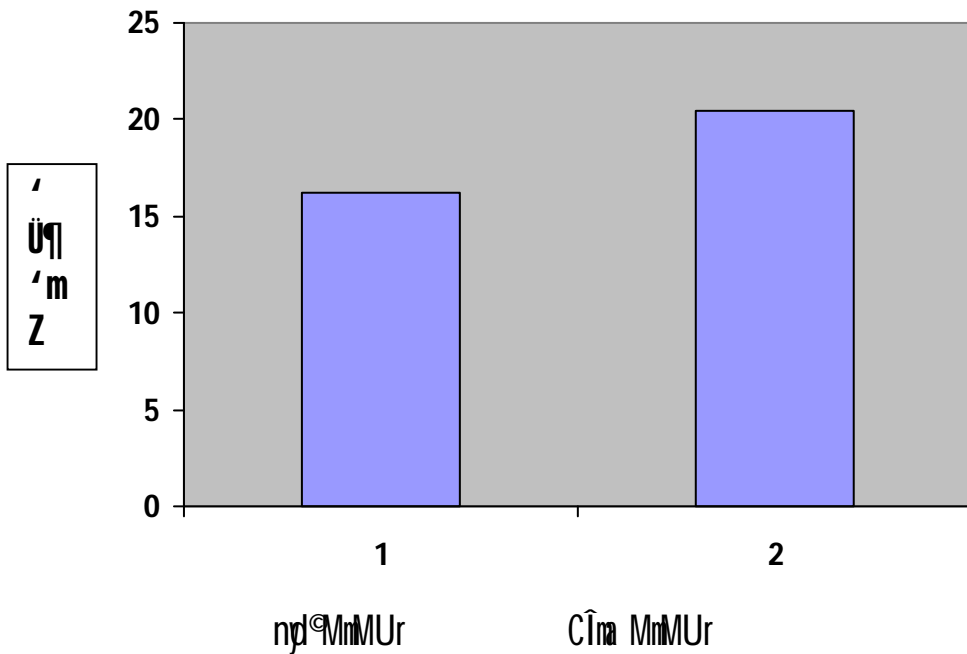
H\$Vr` P\$ AU` `Z nŌVrZo{eH\$Uñe`m {dÚmí`nÁ`m J{UV {df`nÁ`m gñmKZnÁ`m npl©Am(U
 CÎna MnMUrÀ`m_Ü`_mZnV \ \$H\$ AmT:ÿ `Vno

gmUr H\$ rñ\$5.4

| Maths | | Mean | N | SD | SE | t-Value | DF | P-Value | % Change | Result |
|-------|-----------|-------|----|------|------|---------|----|---------|----------|--------|
| ABL | Pretest | 16.23 | 30 | 2.08 | 0.38 | -14.159 | 29 | 0.001 | 26.10 | sig |
| | Post-Test | 20.47 | 30 | 1.86 | 0.33 | | | | | |

darc gmUrdéZ Ago cj nV `Vo H\$ P_ÿ` ho 0.01 nğ m l ın H\$_r Agë`mZo
 ànánH\$Ü`o cj Ur` \ \$H\$ AmT:ÿ `Vno àhUÿ eÿ` n[aH\$enZMm È`mJ H\$cm d YZ
 n[aH\$enZm pñdH\$ncr `ndéZ H\$Vr` P\$ AU` `Z nŌVrZo {eH\$Uñe`m {dÚmí`nÁ`m J{UV
 {df`nÁ`m gñmKZnÁ`m npl©d CÎna MnMUrÀ`m_Ü`_mZnV \ \$H\$ AmT:ÿ `Vno

Maths ABL



Ancd H\$ rñ\$5.4

J{UV - gñmKZ_Ü`_mZnVrc \ \$H\$ (ABL)

n[aH\$enZm5 Mo(dícfU :

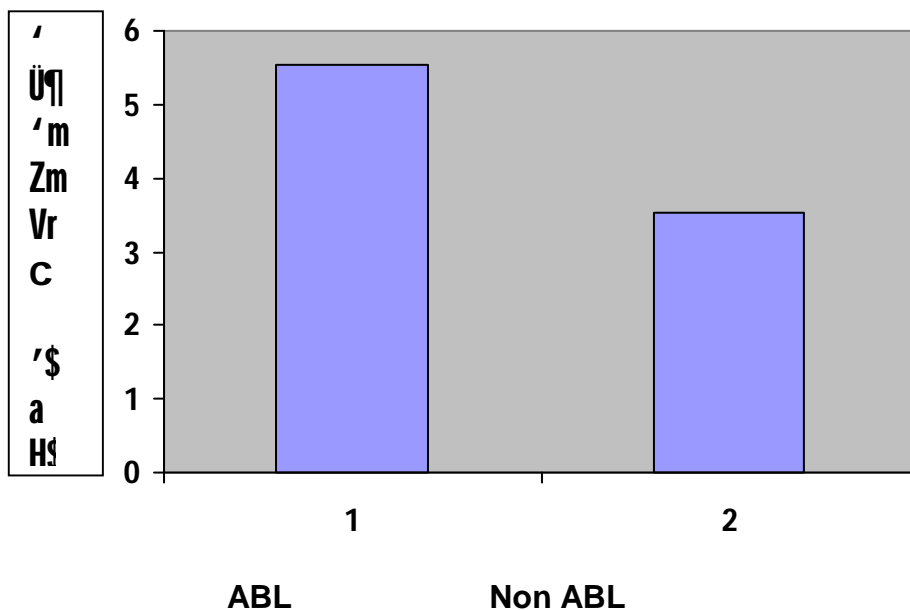
nma[ah\$ Am(U H\$Vr` P\$ AU` ` Z nŌVrZo{eH\$Uñe` m{dÚmí` nÀ` m_anR\$ {df` nÀ` m g[ñKZnÀ` m n[Am(U CÎna MnMUrVrc \ \$aH\$A` m_Ü` _nZnV \ \$aH\$ AmTî ž ` Vno

gmaUr H\$ r[5.5

| | | Mean Diff | SD | SE | t-Value | P-Value | Result |
|---------|---------|-----------|------|------|---------|---------|--------|
| Marathi | ABL | 5.53 | 1.07 | 0.23 | 2.747 | 0.008 | sig |
| | Non ABL | 3.53 | 2.60 | 0.37 | | | |

darc gmaUrdéZ Agog_OVoH\$ P_è` ho0.05 n[m H\$_r Anho `ndéZ Agm {ZiH\$F©{ZKVno H\$ àn[ñH\$Vrc ~XcnV cj Ur` \ \$aH\$ AmTî Vno àhUž eý` n[aH\$enZm ZnH\$ma cr d g[enVZ n[aH\$enZm pñdH\$ma cr. àhUOM nma[ah\$ Am(U H\$Vr` P\$ AU` ` Z nŌVrZo{eH\$Uñe` m{dÚmí` nÀ` m_anR\$ {df` nÀ` m g[ñKZnÀ` m n[Am(U CÎna MnMUrÀ` m \ \$aH\$A` m_Ü` _nZnV \ \$aH\$ AmTî ž ` Vno

Comparison Between ABL And Non ABL



And H\$ r[5.5

_ar\$ g[ñKZ_Ü`_nZnVrc \ \$aH\$ ABL d Non ABL

n[aH\$enZm6 Mo(dícfU :

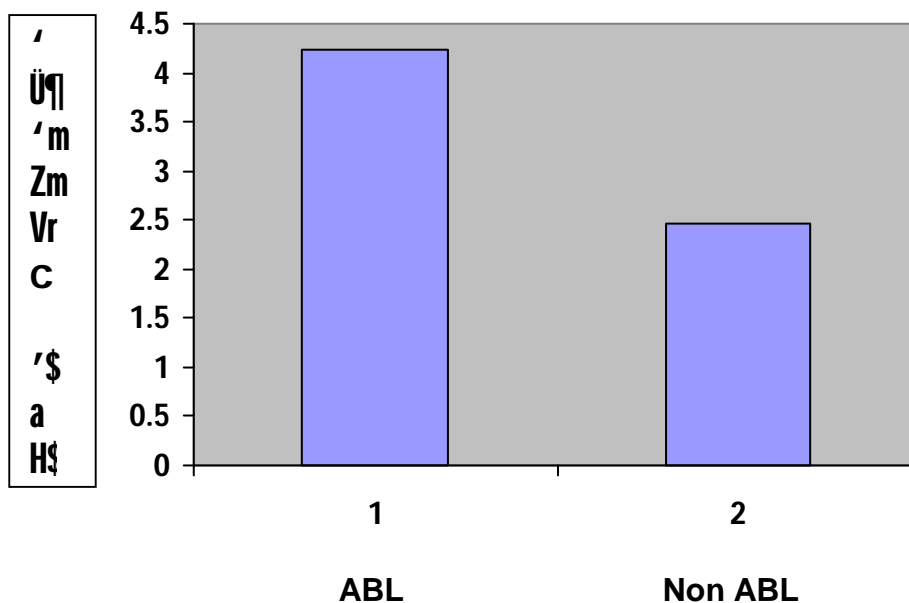
nna[ah\$ Am(U H\$Vr` P\$ AU` ` Z nÖVrZo{eH\$Ue` m {dÚmí` nÁ` m J{UV {df` nÁ` m gfmKZnÁ` m n[Am(U CÎna MnMUrVrc \ \$aH\$ nÁ` m _Ü` _mZnV \ \$aH\$ AmTî ž ` Vno

gmUr H\$ rj\$ 5.6

| | | Mean Diff | SD | SE | t-Value | P-Value | Result |
|-------|---------|-----------|------|------|---------|---------|--------|
| Maths | ABL | 4.24 | 1.64 | 0.24 | 2.605 | 0.012 | sig |
| | Non ABL | 2.47 | 1.94 | 0.23 | | | |

darc gmUrdeZ Ago g_OVoH\$ P _j` ho 0.05 nj m H\$_r Anho` ndeZ Agm {ZiH\$F©{ZKVno H\$ am[Am(U Vrc -XcmV cj Ur` \ \$aH\$ AmTî Vno ahUž eŸ` n[aH\$enZm ZnH\$acr d gfmZ n[aH\$enZm ndrH\$acr. ahUOM nna[ah\$ Am(U H\$Vr` P\$ AU` ` Z nÖVrZo {eH\$Ue` m {dÚmí` nÁ` m J{UV {df` nÁ` m gfmKZnÁ` m n[Am(U CÎna MnMUrÁ` m \ \$aH\$ nÁ` m _Ü` _mZnV \ \$aH\$ AmTî ž ` Vno

Comparison Between ABL And Non ABL



And H\$ rj\$ 5.6

J{UV gfmKZ _Ü` _mZnVrc \ \$aH\$ ABL d Non ABL

{ej H\$ d _w` nũ` mH\$ àiZndcrdÉZ { i ncè` mà{VgnXrMo{dícF U :

àñVW gēnVZnMo C{Ōi>H\$ nH\$ 3 - H\$Vr` P\$ AÜ` `Z nŌVr am-{dUmo {ej H\$ d
_w` nũ` mH\$ ` nMr ' VoOmUž KŮohoAnho

{ej H\$ d _w` nũ` mH\$ ` nMr àiZndcrcm {Xcè` m à{VgnXrMdÉZ Ago g_OVo H\$
5.97% {ej H\$Zm ABL gnR\$ cmUmo gnfhÈ` H\$YrVarM CncāY hnV o Va 4.48%
{ej H\$Zm Vo H\$YrM ghOmghOr CncāY hnV Znr. AY@> gnfhÈ` CncāY Priè` ng,
AZXnz Z { i nē` nZodó V H\$S@² NnB` H\$ÉZ Z { i nē` ng hr nŌV am-dVnzM ASMUrMo
hnV o

10.45% {ej H\$A` m _Vq ABL gnR\$ cmUmo gnfhÈ` {dÚmWu g\$` à_nJo nng o
ZgVo {dÚmWu g\$` à_nJoH\$ñ ĤñVH\$ñ CncāY Z Priè` ng hr nŌV am-{dVm` V Znr.
ABL nŌVr am-{dVnzM nmcH\$ñMo ghH\$ñ @Li Ubr AnóJ V Anho na\$w 5.97 % {ej H\$ñMo
_VonmcH\$ñMo H\$YrM ghH\$ñ @Li V Znr È` nMr H\$ñUonmcH\$ nJñUo{Zaj a {ej Um{df` r
AZnñWm Aer AgyeH\$VnV.

ABL nŌVr am-{dVnzM {dÚmí` nē` m È` m KŮH\$ñMo nJñUo` AnH\$CZ hnBñ` V AÜ` mnZ
H\$ñUo JaOMo AgVq {dÚmWu Èññññm JVrZod Èññññm úm VZngma {eH\$V AgVnV, {edmì Vo
àÈ` j H\$VrVž AÜ` `ZnMo YS@{JadV AgVnV. È` m_wi o 20.90% {ej H\$ñMo _Vo hr nŌV
dó I nD\$ AnhoáhUž Aä` ngH\$ {d{hV H\$ncndYrV nJññm Znr.

ABL nŌVrZo AÜ` `Z H\$ñVnzM àÈ` j H\$Vr H\$ñÈ` ngnR\$ {dÚmí` nZm ñdV..cm gnfhÈ`
hnVmi ndo cmJVo gnfhÈ` nMr XolnU KolnU H\$ñndr cmJVo Vðhm 29.85% {ej H\$ñMo
áhUÈ` nZngma `m gnfhÈ` nMr _ñS`ñ@> hnV o È` nMà_nJo 11.94% {ej H\$ñMo _V {dÚmWu
{eñV-ŌnUodmJV ZnrV àhUž dJññÜ` oWññññ` \$ññ JññYi H\$ñVnV.

H\$Vr` P\$ nŌVrZo AÜ` mnZ H\$ñVnzM {dÚmWu g\$` m A{VŌmñV à_nUmV Agè` ng
àÈ` H\$ñcm d; {`H\$ _mJXeZ H\$ñUo Xadó r eŠ` hnV Znr. JŮH\$ñ nP H\$ñS@² gnñ{dVnzM
dJññ JññYi hnVno JŮH\$ññ nJññññ` ng A{YH\$ dó Úndm cmJVno È` nZVa H\$ñS@² Vnngž

Znkr H\$aUo ĩngXnĥ H\$ hnb/o {dÚmWu gš` à_nUo grĥĒ` nMr H\$ VaVm ^ngVo {dÚmĭ` nMm A{YH\$ gand H\$ēZ Kĥ` ncla _` nRm nSVnV.

dJnĖ {dÚmWu gš` m A{VH\$_r, à_nUnV Agē` ng {dÚmĭ` nMoJ0>H\$aĒ` nV ASMU {Z_nĖ hnb/o CnH\$ nĭŪ` o {d{dYVm `V Znhr AmU n` nPnZo {dÚmĭ` nĭŪ` o AnnAmngnV ĩnYnĒ`_H\$ dnVndaU anĥV Znhr.

ABL nŌVrMr A\$c~OmdUr H\$aVnZm {d{dY KOH\$rcm AZgēZ nM\$ grĥĒ` āhUĭ AZb\$ {ej H\$Zr ĩdV..A` m dJnĖR\$ ĩd` šaUĭo grĥĒ` {Z_Ėr Hĕ` nMo{Xgĭ Amco _w` nĭ` mH\$ d d[aō> A{YH\$nar `nMo dō nōĭ r _mĕZ KDSZ ghH\$nar {ej H\$ĭMo_XVrZo _anR\$ {df` nĖR\$ 65.67%, J{UV {df` nĖR\$ 35.82% AmU B\$Or {df` nĖR\$ 17.91% {ej H\$Zr grĥĒ` {Z_Ėr Hĕ` nMoAmĭĭ co

ABL nŌVrZo AŪ` mnZ H\$aVnZm {dÚmĭ` nĀ` m j_VZngma H\$andō cmJVo gšĕnZm g_On`V nngm dō XDZ gand ĭ`ndm cmJVno Aem nŌVrZo gšĕnZm ŃT\$H\$aUngnR\$ 58.21% {ej H\$ {dÚmĭ` nZm AndĭĭH\$ VdT\$ndō XbVnV.

ABL H\$SgMm XOnA{Ve` Cĭm Agē` nMo38.81% {ej H\$Zr _V āH\$0>Hĕco

ABL Ūmao {eH\$dcē` m KOH\$ĭMo _ĵ` _mnZ H\$aUgnR\$ 91.04% {ej H\$ gmVĒ` nĵ` gdH\$ĕ _ĵ` _mnZ Vĭ nMm dma H\$aVnV. Va 8.96% {ej H\$ _nBēñ0\$Z Vĭ nMm dma H\$aVnV.

AŪ` `ZnV _mJo nSēē` m {dÚmĭ` nZm H\$Vr` ĩ\$ AŪ` `Z nŌVr AĒ` ŷ Cn` nōr RaVo Ago97.01% {ej H\$Zr _V ĭ` °\$ HĕcoAnho

H\$Vr` ĩ\$ AŪ` `Z nŌVr_ĭ o {dÚmĭ` nZm ĩdAŪ` `Z H\$aĒ` ng ānĭgnhZ {_i Vq Cĕgrh dĭT\$nd AnUI r nĭ\$ {eH\$Ē` nĖR\$ Cĕgrh\$ hnbVnV.

H\$Vr` ĩ\$ AŪ` `Z nŌVr hr {dÚmĭ` nĀ` m AŪ` `ZngnR\$ AĒ` ŷ ā`ndr nŌV Anho Ago35.82% {ej H\$Zr gnJVco hr nŌV H\$Vr` ĩ\$ {ej Ung gŌrdZ Xbmar nŌV Anho Agbr _V ĭ` °\$ Hĕco 31.34% {ej H\$ĭMo _Vo hr nŌVr Mnĭcr Anho 28.36% {ej H\$ĭMo _Vo `m nŌVr_Ū` o {dÚmWu ĩdJVrZo {eH\$Vno ABL nŌVrZo AŪ` `Z Hĕ` ng {dÚmĭ` nĖm AnĒ`_{dĭdng dĭT\$Vno Ago1.49% {ej H\$Zm dnōVo Hĕdi 2.99% {ej H\$Zr

ABL nŌVr RšH\$ Anho Ago āh0εo Anho `ndéZ Ago cj nV `Vo H\$, EHŲ 97%
 {ej H\$Mo_VoABL nŌVr AU` `Z AU` mnZnRš narUm_H\$H\$ Anho

5.3 g\$ŲV grhĒ` g\$` mXeŲUmar graUr :

graUr H\$ rŲ\$ 5.7

| AZM\$ nŲ\$ | Vnerc | g\$` m |
|------------|-------------------------------|--------|
| 1) | H\$Vr` Ų\$ AU` `Z nŌVr nŲVH\$ | 02 |
| 2) | nŲVH\$ | 06 |
| 3) | cd | 08 |
| 4) | g\$ŲZo | 07 |
| | EHŲ | 23 |

5.4 {ZiH\$Ų°

5.4.1 n[aH\$enZnŲ]mnSVmi UrdéZ {' i nŲbo{ZiH\$Ų°

graUr H\$ rŲ\$ 5.8

āñVW g\$ŲZnVrb n[aH\$enZnŲ]mnSVmi UrdéZ {' i nŲbo{ZiH\$Ų° i nŲrb à' nŲoAnhV

| A. H\$. | eŲŲ n[aH\$enZn | {dġbfU gmYZ | n[aH\$enZMr ñdrH\$Vr/ĒŲŲ | {ZiH\$Ų° |
|------------|--|----------------|-----------------------------|---|
| 1 | nnaŲn[aH\$ nŌVrZo {eH\$Unē` m {dŲmġ` nĀ` m _anRš {df` nĀ` m gŲnKZnĀ` m nŲd° AnŲU Cġna MnMUrĀ` m _Ų` _mZnV cj Ur` \ŲaH\$ Amġġ Ų` V Znhr. | t narj U | eŲŲ n[aH\$enZMm ĒŲŲ | nnaŲn[aH\$ nUXVrZo {eH\$UnēŲŲm {dŲmġŲŲMm ' anRš {dfŲŲnĀŲŲm gŲnKZnĀŲŲm nŲd°d Cġna MnMUrĀŲŲm ' ŲŲŲ' nZnV ' ŲaH\$ Amġġ bm |
| 2 | nnaŲn[aH\$ nŌVrZo {eH\$Unē` m {dŲmġ` nĀ` m J{UV | t narj U | eŲŲ n[aH\$enZMm | nnaŲn[aH\$ nUXVrZo {eH\$UnēŲŲm {dŲmġŲŲMm |

| | | | | |
|---|--|----------------------|-----------------------------|--|
| | {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrA`m _Ü`_nZnV cj Ur` \saH\$ AmT:ÿ ȳ `W Znr. | | ÉŋmJ | J{UV {df`nA`m gŋmKZnA`m nɔd [⊙] d CÎna MnMUrA`m 'Üŋ' nZnV 'saH\$ AmT:ÿ bm |
| 3 | H\$Vr`P\$ AU``Z nÖVrZo {eH\$Une`m {dÜmi`nA`m _anR:ÿ {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrA`m _Ü`_nZnV cj Ur` \saH\$ AmT:ÿ ȳ `W Znr. | t narj U | eŷŋŋ n[aH\$enZMm ÉŋmJ | H\$Vr`P\$ AU``Z nÖVrZo {eH\$Une`m {dÜmi`nA`m _anR:ÿ {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrA`m _Ü`_nZnV \saH\$ AmT:ÿ bm |
| 4 | H\$Vr`P\$ AU``Z nÖVrZo {eH\$Une`m {dÜmi`nA`m J{UV {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrA`m _Ü`_nZnV cj Ur` \saH\$ AmT:ÿ ȳ `W Znr. | t narj U | eŷŋŋ n[aH\$enZMm ÉŋmJ | H\$Vr`P\$ AU``Z nÖVrZo {eH\$Une`m {dÜmi`nA`m J{UV {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrA`m _Ü`_nZnV \saH\$ AmT:ÿ bm |
| 5 | nnaŋm[aH\$ An(U H\$Vr`P\$ AU``Z nÖVrZo {eH\$Une`m {dÜmi`nA`m _anR:ÿ {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrVrc \saH\$A`m _Ü`_nZnV cj Ur` \saH\$ AmT:ÿ ȳ `W Znr. | Unpaired t narj U | eŷŋŋ n[aH\$enZMm ÉŋmJ | nnaŋm[aH\$ An(U H\$Vr`P\$ AU``Z nÖVrZo {eH\$Une`m {dÜmi`nA`m _anR:ÿ {df`nA`m gŋmKZnA`m nɔd [⊙] An(U CÎna MnMUrVrc \saH\$A`m _Ü`_nZnV \saH\$ AmT:ÿ bm |

| | | | | |
|---|--|------------------------------|-------------------------------------|---|
| 6 | <pre> nmañm[aH\$ An(U H\$Vr`P\$ AÜ``Z nÕVrZo {eH\$Unè`m {dÜmi`nA`m J{UV {df`nA`m gñmXZnA`m npl© An(U CÎna MnMUrVrc \saH\$A`m _Ü`_nzM/V cj Ur` \saH\$ AmT:î ž `V Znhr. </pre> | <p>Unpaired t narj U</p> | <pre> ey¶¶ n[aH\$ënZM/m Ë¶m¶ </pre> | <pre> nmañm[aH\$ An(U H\$Vr`P\$ AÜ``Z nÕVrZo {eH\$Unè`m {dÜmi`nA`m JU{V {df`nA`m gñmXZnA`m npl© An(U CÎna MnMUrVrc \saH\$A`m _Ü`_nzM/V \saH\$ AmT:î bm </pre> |
|---|--|------------------------------|-------------------------------------|---|

5.4.2 ցենյաճարձմԸ(Օրիգրա {ՀիՏԲԸ

ցար ՀՏ ռՅ 5.9

ցենյաճարձմԸ(Օրիգրա ցենյաճարձմ { i ռոոո {ՀիՏԲԸ ռոոո à ' ռոոո Առոո.

| A H« | C(Օրիգ | ցարձ | {ՀիՏԲԸ |
|---------|--|---|--|
| 1 | <p>ՀՅՎՊՊՏ ԱՍՊՊԶ ռՕՎրՄմ ժմնա ՀՏաՍնեՊմ ռոոո {ՕեթմՎր ան ՎրոՊՊմ/Վր {Օեհմ ռ[աբԻԱՊմ րմ Վր ԲՊՊՄն իճարԱՊմ {ժՍմիՊՊմ 'անՐՏ {ժբՊՊմ ցթնԻԶնժա հոոոնո ռ[աՍր Վոոոո</p> | ՄոոոՍր | <p>ՀՅՎՊՊՎ ԱՍՊՊԶ ռՕՎր' ր օ {ժՍմիՊՊմ 'անՐՏ {ժբՊՊմ ցթնԻԶնժ ժմի>հոոո</p> |
| 2 | <p>ՀՅՎՊՊՏ ԱՍՊՊԶ ռՕՎրՄմ ժմնա ՀՏաՍնեՊմ ռոոո {ՕեթմՎր ան ՎրոՊՊմ/Վր {Օեհմ ռ[աբԻԱՊմ րմ Վր ԲՊՊՄն իճարԱՊմ {ժՍմիՊՊմ յ{ՍՎ {ժբՊՊմ ցթնԻԶնժա հոոոնո ռ[աՍր Վոոոո</p> | ՄոոոՍր | <p>ՀՅՎՊՊՎ ԱՍՊՊԶ ռՕՎր' ր օ {ժՍմիՊՊմ յ{ՍՎ {ժբՊՊմ ցթնԻԶնժ ժմի>հոոո</p> |
| 3 | <p>ՀՅՎՊՊՏ ԱՍՊՊԶ ռՕՎր ամ-ժՍոոո {ej ՀՏ ժ ' յՊՊՊմՀՏ ՊՊՎր ' Վո ՕոոՍԶ Կոոո</p> | <p>à իԶմ ժ ր</p> | <p>1) ' յՊՊՊմՀՏ ժ {ej ՀՏ ՊՊՎր ' Վո ՀՅՎՊՊՎ ԱՍՊՊԶ ռՕՎր {հ ԱԷՊՅ à^ոոո ռՕՎր Առոո 2) ԱՍՊՊԶնժ ' ոոո ռՏեթեՊմ {ժՍմիՊՊմ ցթնՐՏ {հ ռՕՎր Ա{ՎեՊ ԸնՊՊՎ ՐաՎո</p> |

5.4.3 ցենզնմոզնհս

1) ՀՅՎ ՌՏ ԱՍ՝Ն Ն ռՕՎր_ւ օ{dՍմն՝ ռԱ՝ մ ' anRՔ {df՝ ռԱ՝ մ ցնմXZնV dմտ>հնՎօ (ցմUr ՀՏ՝ ռՏ՝ 5.3)

ըժՕՄնՄUr ԱրU CՒմա ՄնՄUr Ղմ ' ՍՂո{dՍմն՝ ՂնZմ {ej ՀՏ՝ Ղմ ' ռՂեZմ ռbr A{YHՏ ցմnd ՀՏ՝ Vm Աոbm ԱՍՂՂZնՄր նZամԳնր ՀՏ՝ VgM AZնXմ {VM {VM ՀՏ՝ ը2՝ ռնհZ VgM հնՎմ շ {dՍմն՝ ՂնZմ ցնճնZմ ՆՏ՝ ՀՏ՝ Աոց dմd {' i ռbm ԷՂմ ւ օ ' anRՔ {dfՂնՄր ցնմXUՄՏ dմտՎօ

2) ՀՅՎ ՌՏ ԱՍ՝Ն Ն ռՕՎր_ւ օ{dՍմն՝ ռԱ՝ մ J{UV {df՝ ռԱ՝ մ ցնմXZնV dմտ>հնՎօ (ցմUr ՀՏ՝ ռՏ՝ 5.4)

ըժՕՄնՄUr ԱրU CՒմա ՄնՄUr ' ՍՂո{dՍմն՝ ՂնZմ J{UVր ընճնZմ/ցւօ ՂնՄմ ~անՄցմ ցմnd ՀՅՎՄZ ՔնճնZօ ԷՂմ A{YHՏ ցմնi> հնճնց ' XV Քնbr ցնր{OHՏՄ ՀՅՎՂՄV ցմndմ ւ օ J{UV {dfՂնԱՂմ ցնմXUՄՏV dմտ>Քնճնմօ{XցZ ՂՎօ

3) ՀՅՎ ՌՏ ԱՍ՝Ն Ն ռՕՎրZօ ԱՍ՝Ն Հե՝ յ {dՍմն՝ ռZմ _anRՔ {df՝ ռՄր ԱոդS>{Z՝ թ հնճZ ԷՂմՄր ԷՂմՄ àJVr հնՎօ (ցմUr ՀՏ՝ ռՏ՝ 5.5)

ՀՅՎՂՄV ԱՍՂՂZ նՍXՎրZօ{eHՏԱնճնՂմ {dՍմն՝ ՂնԱՂմ ' ՍՂո ' anRՔ {dfՂնՄր ԱոդS>{Z՝ թ հնՎօ ՀՏ՝ Ա ըdՄ, յնUr , յն՝ Ղնճա Ղմ նՍXՎրV A{YHՏ ^a XնՂնՄ Աոbm Աոնո dմMZ, իՂնՀՏԱ ՀՏ՝ A{^ZՂ ՂնՄZ հնճնմ ՀճնZմ {dՎնա Ղմ ւ օ ռննր{aHՏ նՍXՎրոյ մ ՀՅՎՂՄV ԱՍՂՂZ նՍXՎրZօ{eHՏԱնճնՂմ {dՍմն՝ ՂնԱՂմ ' ՍՂո ' anRՔ {dfՂնՄր ԱոդS>{Z՝ թ հնճZ ԷՂմՄր ԷՂմՄր àJVr Քնճնմօ{XցZ ՂՎօ

4) {dՍմն՝ ռZր ՀՅՎ ՌՏ ԱՍ՝Ն Ն ռՕՎրZօ J{UV {dfՂնմօ ԱՍ՝Ն Հե՝ յ ԷՂնճնՂմ ցնճնZմօ A{YHՏ ՆՏ՝ ՀՏԱ հնճZ ԷՂմ ռնi>հնՎմՎ. (ցմUr ՀՏ՝ ռՏ՝ 5.6)

ՀՅՎՂՄV ԱՍՂՂZ նՍXՎրZօ{eHՏԱնճնՂմ d ռննր{aHՏ նՍXՎրZօ{eHՏԱնճնՂմ {dՍմն՝ ՂնԱՂմ J{UV {dfՂնԱՂմ ցնմXZնԱՂմ ըժՕժ CՒմա ՄնՄUrԱՂմ ' ՍՂո ' ռZնՎ ' ՏաHՏ AT՝ Մ ՂՎո ԷՂմ ւ օ ՀՅՎՂՄV ԱՍՂՂZ նՍXՎրZօ J{UVնմօ ԱՍՂՂZ ՀՏ՝ ՎնZմ ցնճնZմ ցնճնZմ, ՎնZմ,

{dñVnarV 'n\$Uj, g\$ŕm knZ, AnuñH\$, ^ñ' VrH\$ AH\$na ŕmMm A{YH\$ gand hñV
 AgëŕmZo{Uvrŕ gñ\$ënZm ÑT\$H\$U hñŕŕng d Èŕmñni>hñŕŕng 'ÔV hñV

- 5) 'ŕŕmŕmH\$ d {ej H\$ŕŕm 'Vo H\$VŕŕV AÜŕŕZ nÜXVr hr à^ndr nÜXVr Anho
 (gmaUr H\$ ñH\$ 4.7)

H\$VŕŕV AÜŕŕZ nÜXVr' Üŕo {dÚmWu ñdŕŕAÜŕŕZnZo AÜŕŕZ H\$Vno Èŕm ō ÈŕmMm
 AÈ' {dídng dñŕg bñVno hr nÜXVr {dÚmWu H\$ŕV AgëŕmJo{ej H\$ d {dÚmVñŕŕm
 'ÜŕoOdi MoZnVo{Z' ñŕ hñV Èŕm ō H\$VŕŕV AÜŕŕZ nÜXVr AÈŕŕŕ à^ndr nÜXVr
 Anho

- 6) AÜŕŕZnV 'mJonSbëŕm {dÜŕmŕŕngñŕ H\$VŕŕV AÜŕŕZ nÜXVr AÈŕŕŕ CñŕŕV RaVo
 (gmaUr H\$ ñH\$ 4.8)

H\$VŕŕV AÜŕŕZ nÜXVr' Üŕo {dÚmWu ñdJVrZo {eH\$Vno ñdŕŕAÜŕŕZm ō {dÚmVñMm
 hñŕ d CÈgnh dñŕg bñVno Èŕm ō Èŕmŕm A{YH\$ knZ {' i dÈŕmŕ C^nar ŕŕVo
 {dÚmVñ Yrb ghH\$ŕŕdñŕ' ō AÜŕŕZnV 'mJo nTbëŕm {dÚmVñZm EH\$' hñŕŕ 'ÔV
 {' i V AgëŕmZo AÜŕŕZnV 'mJo nSbëŕm {dÚmVñZm H\$VŕŕV AÜŕŕZ nÜXVr hr
 AÈŕŕŕ CñŕŕV Anho

5.5 {e'\$ner :

5.5.1 {ej H\$ŕŕm {e'\$ner :

1. {dÚmWu ñdV... knZ{Z{' ŕ H\$e\$ eH\$Vnoŕnda {eúnH\$ŕŕ gH\$ŕnÈ' H\$ Ñ[ŕO\$ŕmZnZo H\$ŕŕŕ
 H\$andó
2. AÜŕŕZ AÜŕŕmZñŕŕm {dÚmWu H\$ŕV nÖvtMm gI ñc Aäŕng H\$andm
- 3) {dÚmŕ` mZm àñŕgnZ Xñŕngñŕ {ej H\$ŕŕŕ gdŕ{df` ñŕñŕ ñdV..Mo H\$ŕŕe` dñéZ
 OñH\$ŕŕVZ {OñH\$ŕŕŕ gñŕhÈ` {Zŕŕ H\$andŕ.
- 4) {ej H\$ŕŕŕ Amco AÜŕŕmZ H\$ŕŕŕŕ {dH\$ŕŕV H\$ŕŕŕngñŕ ñdV..Mo knZ AÜ` ñdV
 H\$e\$Z ÑH\$ŕ mŕ` gñŕZñŕŕ {Zŕŕ H\$andŕ.

n[æei>

n[a(ei>
AZH\$ (UH\$m

| A.H\$ | Vn(ec | nŃ>H\$ rŃ\$ |
|-------|--|-------------|
| 1 | gX^©JŲ/ gŲlr | 153 |
| 2 | n[a(ei>"A' ABL eni rŃlr `rKr | 155 |
| 3 | n[a(ei>"~' NON ABL eni rŃlr `rKr | 157 |
| 4 | n[a(ei>"H\$ nŲl©MŲUr {df` : ^nfm | 161 |
| 5 | n[a(ei>"H\$ nŲl©MŲUr {df` : J{UV | 164 |
| 6 | n[a(ei>"S\$ Cĭm MŲUr {df` : ^nfm | 168 |
| 7 | n[a(ei>"S\$ Cĭm MŲUr {df` : J{UV | 171 |
| 8 | n[a(ei>"B© _w` rŃ` mH\$ / {ej H\$ àíZmlcr | 175 |
| 9 | n[a(ei>"' '\$ _w` rŃ` mH\$ / {ej H\$ àíZmlcr {dŲŲmlu àíZdnbr | 177 |

għ^©JW għr

1. H\$X' Mm.n.(1989), ej {UH\$ g\$¶memó, ntw ZVZ àH\$reZ.
2. H\$hnSà ~r. E'. (2011), emór¶ g\$enVZ nÕVr, ZmJnq, qnni mmo AY\$>H\$gnZr n[ãceg©
3. JmSà. c. (1998), {dMma ànV{ 'H\$ {ej UmMm, ntwCÈH\$F©àH\$reZ.
4. Km' nSàHó. ¶w (2008), ej {UH\$ g\$enVZ, ZmJnq, {dUm àH\$reZ.
5. {Mni ¶H\$à {d. {d. (2008), AmìhmZ ànV{ 'H\$ {ej UmÀ¶m Jw dÎmMo Anq\$ m-nk, gnHóV àH\$reZ.
6. Omer AZY d 'hmcogOrdZr (2007) g\$enVZ 'mJReP\$ 'm{CH\$m - nûn MmKndó g\$enVZ AhdmcnMr cd Z nÕVr, Zm{eH\$, ¶ledVand MìhnU 'hrami> '¶\$ {dUmnrR>
7. Xn\$bl\$à dm Zm (1989), ej {UH\$ 'j¶'mZ d g\$¶memó, ntw Ir {dUm àH\$reZ.
8. Xol Zmnd HóCH\$Uu AnUm©(2013), ej {UH\$ g\$enVZ, ntw {ZÈ¶ZVZ àH\$reZ.
9. ZadUo' rZc (1987), ^mVnVrc ej {UH\$ An¶¶m d g{ 'È¶m ntw ZVZ àH\$reZ.
10. ZadUo_rZc (2016), g\$enVZ nÕVr : ej {UH\$ d gm_m(OH\$, ntw `¶Zihgè àH\$reZ.
11. ZnBP\$ O.nm (1980), ^mVnVrc ànV{ 'H\$ {ej U, B\$S¶¶Z BpYnO¶¶¶> An¶\$ EÁ¶¶mèZ, ntw
12. n\$SV ~Ygr (2007), {ej UmVrc g\$enVZ (g\$¶¶nè 'H\$ An(U JwJnÈ 'H\$), ntw {ZÈ¶ZVZ àH\$reZ
13. ~mnO>^mcMØ, ej {UH\$ g\$enVZ, ntw ZVZ àH\$reZ.
14. q^VnSà{d. am (2009), ej {UH\$ g\$enVZ nÕV, ntw {ZÈ¶ZVZ àH\$reZ.
15. dV¶\$, MØH\$¶ (2007), g\$enVZmVrc cd Zecr, g\$enVZ 'mJReP\$ 'm{CH\$m-nûn Vandó Zm{eH\$, ¶ledVand MìhnU 'hrami> '¶\$ {dUmnrR>

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www.educ.cam.ac.uk

n[afei>"A'

ABL emi n[afei>"A'

| A. H& | emi MoZnd |
|-------|----------------------------|
| 1. | {Oëhm n[afX emi m ^m-dS& |
| 2. | {Oëhm n[afX emi m An& Ka |
| 3. | {Oëhm n[afX emi m C I ncr |
| 4. | {Oëhm n[afX emi m dan& ~w |
| 5. | {Oëhm n[afX emi m Oi |
| 6. | {Oëhm n[afX emi m Yhndr |
| 7. | {Oëhm n[afX emi m Zm nd |
| 8. | {Oëhm n[afX emi m B&dcr |
| 9. | {Oëhm n[afX emi m Vi dS: |
| 10. | {Oëhm n[afX emi m gn&dr ~l |
| 11. | {Oëhm n[afX emi m ggoln& |
| 12. | {Oëhm n[afX emi m hmVdo~l |
| 13. | {Oëhm n[afX emi m andS& |
| 14. | {Oëhm n[afX emi m dn& Xmn |
| 15. | {Oëhm n[afX emi m {dV |
| 16. | {Oëhm n[afX emi m _h&~l |
| 17. | {Oëhm n[afX emi m _h& l |
| 18. | {Oëhm n[afX emi m a& ~l |
| 19. | {Oëhm n[afX emi m Zn&pa |
| 20. | {Oëhm n[afX emi n |
| 21. | {Oëhm n[afX emi m {ngnda |
| 22. | {Oëhm n[afX emi m ni gner |
| 23. | {Oëhm n[afX emi m Za |
| 24. | {Oëhm n[afX emi m gn& Za |
| 25. | {Oëhm n[afX emi m gndaXa |
| 26. | {Oëhm n[afX emi m nDi dn& |
| 27. | {Oëhm n[afX emi m harü& |
| 28. | {Oëhm n[afX emi m Yn&dS& |
| 29. | {Oëhm n[afX emi m _mi Jnd |

| | |
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| 30. | {Oëhm n[afX emi m éJdS} |
| 31. | {Oëhm n[afX emi m hmVgS} |
| 32. | {Oëhm n[afX emi m _nhar ~ |
| 33. | {Oëhm n[afX emi m KnS} |
| 34. | {Oëhm n[afX emi m ^ndnc |
| 35. | {Oëhm n[afX emi m Ann0:dnS} |
| 36. | {Oëhm n[afX emi m gmi d |
| 37. | {Oëhm n[afX emi m {ZJd |
| 38. | {Oëhm n[afX emi m {eaJnd |
| 39. | {Oëhm n[afX emi m ~gann} |
| 40. | {Oëhm n[afX emi m _mi dnS} |

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NON ABL emi rjlr `rkr

| A. H& | emi MoZnd |
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| 1. | {Oëhm n[afX emi m {eadcr |
| 2. | {Oëhm n[afX emi m nmi~Sü |
| 3. | {Oëhm n[afX emi m dnrRm {h. _m |
| 4. | {Oëhm n[afX emi m dZdrnSf |
| 5. | {Oëhm n[afX emi m dS>nd |
| 6. | {Oëhm n[afX emi m am_njdrnSf |
| 7. | {Oëhm n[afX emi m ni gner |
| 8. | {Oëhm n[afX emi m l mZnng |
| 9. | {Oëhm n[afX emi m ~nOndrnSf |
| 10. | {Oëhm n[afX emi m Zri H&R: |
| 11. | {Oëhm n[afX emi m ggolnSf |
| 12. | {Oëhm n[afX emi m Knö drnSf |
| 13. | {Oëhm n[afX emi m danSf S&i |
| 14. | {Oëhm n[afX emi m danSf l |
| 15. | {Oëhm n[afX emi m ~ncdSf |
| 16. | {Oëhm n[afX emi m nnc |
| 17. | {Oëhm n[afX emi m An&ns |
| 18. | {Oëhm n[afX emi m _mi drnSf |
| 19. | {Oëhm n[afX emi m `dcr |
| 20. | {Oëhm n[afX emi m _nOJnd |
| 21. | {Oëhm n[afX emi m Zeh |
| 22. | {Oëhm n[afX emi m cnhndrnSf |
| 23. | {Oëhm n[afX emi m dr |
| 24. | {Oëhm n[afX emi m _mi drnSf |
| 25. | {Oëhm n[afX emi m _ndrnSf |
| 26. | {Oëhm n[afX emi m gnani n |
| 27. | {Oëhm n[afX emi m ^n&dS |
| 28. | {Oëhm n[afX emi m ^n dcr |
| 29. | {Oëhm n[afX emi m |

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| 30. | {Oëhm n[afX emi m nrS} |
| 31. | {Oëhm n[afX emi m anDnna |
| 32. | {Oëhm n[afX emi m OnadnS} |
| 33. | {Oëhm n[afX emi m dnRna |
| 34. | {Oëhm n[afX emi m harüDr |
| 35. | {Oëhm n[afX emi n Jnnaihni |
| 36. | {Oëhm n[afX emi m Xolnd |
| 37. | {Oëhm n[afX emi m JaRr |
| 38. | {Oëhm n[afX emi m C\$a |
| 39. | {Oëhm n[afX emi m {Xdc |
| 40. | {Oëhm n[afX emi m Km_WnS} |
| 41. | {Oëhm n[afX emi m XIm_ \$Xa KnqS Kwn |
| 42. | {Oëhm n[afX emi m KnqS Kwn |
| 43. | {Oëhm n[afX emi n {ZJSa~n |
| 44. | {Oëhm n[afX emi m gnDr |
| 45. | {Oëhm n[afX emi m {JehdnS} |
| 46. | {Oëhm n[afX emi m gmi dS} |
| 47. | {Oëhm n[afX emi m dd} ~} |
| 48. | {Oëhm n[afX emi m dd} } |
| 49. | {Oëhm n[afX emi m J\$aoJno-n |
| 50. | {Oëhm n[afX emi m Zganng |
| 51. | {Oëhm n[afX emi m JDi } |
| 52. | {Oëhm n[afX emi m i dS} |
| 53. | {Oëhm n[afX emi m gnDr |
| 54. | {Oëhm n[afX emi m nmadS} |
| 55. | {Oëhm n[afX emi m On\$ i r |
| 56. | {Oëhm n[afX emi m ~n_mi |
| 57. | {Oëhm n[afX emi m Y dygmJnd |
| 58. | {Oëhm n[afX emi m qeXdnS} |
| 59. | {Oëhm n[afX emi m dci y |
| 60. | {Oëhm n[afX emi m anD} |
| 61. | {Oëhm n[afX emi m Knor |
| 62. | {Oëhm n[afX emi m HgJnd |

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| 63. | {Oëhm n[afX emi m {eda |
| 64. | {Oëhm n[afX emi m {^craolnSf |
| 65. | {Oëhm n[afX emi m _nhar I XOnSf |
| 66. | {Oëhm n[afX emi m hmVndlo~ |
| 67. | {Oëhm n[afX emi m VnS nS: |
| 68. | {Oëhm n[afX emi m KmnSodnSf |
| 69. | {Oëhm n[afX emi m YnSodnSf |
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| 71. | {Oëhm n[afX emi m dSVi~r |
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| 78. | {Oëhm n[afX emi m dnSf An |
| 79. | {Oëhm n[afX emi m Angic: |
| 80. | {Oëhm n[afX emi m _ncAndnS: |
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| 82. | {Oëhm n[afX emi mar |
| 83. | {Oëhm n[afX emi m Jni dnSf |
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| 85. | {Oëhm n[afX emi m ahga |
| 86. | {Oëhm n[afX emi m ahga ~ |
| 87. | {Oëhm n[afX emi m ZnJnd |
| 88. | {Oëhm n[afX emi m AnnO: |
| 89. | {Oëhm n[afX emi m am ar |
| 90. | {Oëhm n[afX emi m Sær ~ |
| 91. | {Oëhm n[afX emi m {ect~ |
| 92. | {Oëhm n[afX emi m XpInSf |
| 93. | {Oëhm n[afX emi m YZadnVr |
| 94. | {Oëhm n[afX emi m ~nao |
| 95. | {Oëhm n[afX emi m gngdnSf ZnB |

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| 96. | {Oëhm n[afX emi m JndS} |
| 97. | {Oëhm n[afX emi m qeX |
| 98. | {Oëhm n[afX emi m ngw |
| 99. | {Oëhm n[afX emi m ähmi dndS} |
| 100. | {Oëhm n[afX emi m ~nao~} |
| 101. | {Oëhm n[afX emi m ^ncndS: |
| 102. | {Oëhm n[afX emi m _ndndS} |
| 103. | {Oëhm n[afX emi m ~nähmKa |
| 104. | {Oëhm n[afX emi m {ncw dndS} |
| 105. | {Oëhm n[afX emi m ^nzgXnan |
| 106. | {Oëhm n[afX emi m Xm_JndndS} |
| 107. | {Oëhm n[afX emi m _hnkd dndS} |
| 108. | {Oëhm n[afX emi m JndS>ähgdcr |
| 109. | {Oëhm n[afX emi m dmi>Jn |
| 110. | {Oëhm n[afX emi m _i |
| 111. | {Oëhm n[afX emi m {ZdS} |
| 112. | {Oëhm n[afX emi m gnSdr ddn |
| 113. | {Oëhm n[afX emi m Tno |
| 114. | {Oëhm n[afX emi m dō dS: |
| 115. | {Oëhm n[afX emi m Kū er |
| 116. | {Oëhm n[afX emi m MnKdn |
| 117. | {Oëhm n[afX emi m emi m |

n[afei>"H\$

nglMrMUr

BqllmXgar {df : ^nfm

{dUmil'lmMonjU©Znd :
 emi MoZnd : {O. n. ànV{ ' H\$ emi m H\$D Vm ^na
 EH\$U Jw - 25 nH\$
 emi Mm àH\$na - ABL / Non ABL

à. 1 cm A) H\$W Vo{chm Jw-4

1. ' nRøH\$Z Agccm
 2. nno>a XnUo I nUnar
 3. JnBqllm I am ' mcH\$
 4. ~cmA'lm VndSxVZ ' wcmcm dnMdUnam
- ~. I mcrc "A" d "~" JQ> qnA'lm OnSxm cndm Jw-4
 A-JQ> ~-JQ>

1. ' wczr {dH\$V AnUccr dnVy MH\$Ya ñdmr r
2. genMoaj U H\$aUmao g\$UH\$
3. {XZModSxc nUVr
4. VOcer ~ncUnam Sx#Qa

à. 2 am A) H\$(dVÀ'lm Anò r nU©H\$am Jw-2

1. {Zi \$Zi \$nml è\$
 JmV\$
2. BqYZMm Pwcm PwcyZ
 Onco ^wcyZ

~) {dè\$OnWu eāX {chm Jw-2

1. eha x
2. {Xdg x

H\$) I mcrc eãXn/odMZ ~Xcm

1. PnS>- 2. 'c -

3. 'hZm -

à. 3 am A) H\$U H\$Ung àhUmcoVo{chm JW-2

1. ""Vàhr OI 'da H\$Uvm nrcm ~r/cml"
.....

2. ""Ap dmf/m KrcdyZ'lo"
.....

~) I mcrc ànÉ'ñ'ñ'ñ' {n,, nZm H\$ñ'ñ' àhUVmV? JW-2

1. Jmñ' 3. eí r

2. Kn6m 4. H\$ñ'-Sñ'

à. 4 Wm A) XnZ-XnZ Zncdo{chm JW-2

1. CñM PnSñ'/r Zncdo-
1. 2.

2. AndSÉ'ñ'ñ' nù'ñ'ñ' /r Zncdo-
1. 2.

~) I mcrc àiZnñ'/r Cînao{chm JW-4

1. Jnam H\$em nSé'ñ'ñ'?
Cîna
.....

2. n{hè'ñ'ñ' ^naVrñ'ñ' {e'j H\$ñ' H\$ñ' hñ'ñ'ñ'ñ'?
Cîna
.....

3. 'cñml aoH\$ñ' H\$ñ'É'ñ'ñ' a'ñ'ñ' /r AgVnV?
Cîna
.....

4. a' e d ZrVnZo~m-nZmH\$Uvr ^0>{Xcr?

CÎna

.....

ngl©MrMUr
B¶¶mXgar {df : J{UV

{dÚmi¶mMonjÚZnd :

.....
 emi MoZnd : {O. n. ànW{‘ H\$ emi m HÐ Vm ^na
 EH\$U Jw - 25 nH\$
 emi Mm àH\$na - ABL / Non ABL

à. 1 cm A) I mcrc g\$¶m A\$H\$V {chm Jw-3

1. gÎmcdrg -
2. ~Îmrg -
3. nngi>-

~. I mcrc g\$¶m EH\$H\$ d XeH\$ ê\$nmV {chm Jw-2

| g\$¶m | XeH\$ | EH\$H |
|-------|-------|-------|
| 64 | | |
| 70 | | |

à. 2 am A) ~arO H\$am Jw-2

| XeH\$ | EH\$H\$ |
|-------|---------|
| | |
| 4 | 6 |
| + | 8 |
| | |

| XeH\$ | EH\$H\$ |
|-------|---------|
| | |
| 7 | 4 |
| + 3 | 9 |
| | |

~) dOm-nH\$ H\$am

JW-2

| | |
|-------|---------|
| XeH\$ | EH\$H\$ |
| | |
| 9 | 3 |
| - 2 | 7 |
| | |

| | |
|-------|---------|
| XeH\$ | EH\$H\$ |
| | |
| 6 | 0 |
| - 5 | 8 |
| | |

à. 3 am A) AmYrMm d ZYaMm ' {hZm {chm

JW-2

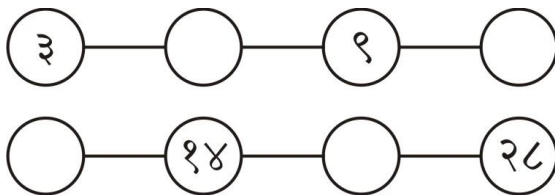
~) nTxc g\$¶m MTVm d CVaVm H\$' {chm

JW-2

| g\$¶m | MTVm H\$' | CVaVm H\$' |
|----------------|-----------|------------|
| 48, 26, 19, 65 | | |

H\$) O\$nm Ani I 7 g\$¶m {chm

JW-2



à. 4 Wm A) JWnH\$na H\$am

JW-2

| | |
|---|---|
| | 6 |
| × | 4 |
| | |

| | |
|---|---|
| | 5 |
| × | 3 |
| | |

2. 40 nmZnAqm Jri'sAqm nñVH\$ñVZ anhcZo 17 nmZodnMcr Va Eñm nñVH\$ñVrc {H\$Vr nmZodnMñMr {e,,H\$ anhcrc.

| XeH\$ | EH\$H\$ |
|-------|---------|
| | |
| | |
| | |
| | |

XnKnH\$Sø{ ' i y EH\$U eññlo-

4. {M' Ucm Hñ hm ' Om dn} cr?

CÎna

.....

Cîra MrMUr
BqîmXgar {df : J{UV

{dÚmi qmMontjZnd :

.....
 emi MoZnd : {O. n. ànW{ ' H\$ emi m H\$D Vm ^na
 EH\$U Jw - 25 nH\$
 emi Mm àH\$na - ABL / Non ABL

.....
 à. 1 cm A) I mcrc g\$ qm A\$H\$V {chm Jw-3

1. ~ndrg -
2. gÎnMmi rg -
3. EH\$Udrg>-

~. I mcrc g\$ qm EH\$H\$ d XeH\$ ê\$nmV {chm Jw-2

| g\$ qm | XeH\$ | EH\$H |
|--------|-------|-------|
| 75 | | |
| 90 | | |

à. 2 am A) ~arO H\$am Jw-2

| XeH\$ | EH\$H\$ |
|-------|---------|
| | |
| 5 | 5 |
| + | 7 |
| | |

| XeH\$ | EH\$H\$ |
|-------|---------|
| | |
| 6 | 8 |
| + 2 | 6 |
| | |

~) dOm-nH\$ H\$am

JW-2

| | |
|-------|---------|
| XeH\$ | EH\$H\$ |
| | |
| 6 | 2 |
| - 2 | 5 |
| | |

| | |
|-------|---------|
| XeH\$ | EH\$H\$ |
| | |
| 8 | 0 |
| - 1 | 3 |
| | |

à. 3 am A) AmYrMm d ZYaMm ' {hZm {chm

JW-2

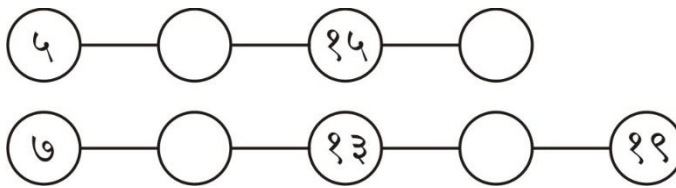
~) nTxc g\$¶m MTVm d CVaVm H\$' {chm

JW-2

| g\$¶m | MTVm H\$' | CVaVm H\$' |
|----------------|-----------|------------|
| 27, 49, 51, 16 | | |

H\$) O\$nm Ani I z g\$¶m {chm

JW-2



à. 4 Wm A) JWnH\$am H\$am

JW-2

| | |
|---|---|
| | 4 |
| × | 4 |
| | |

| | |
|---|---|
| | 5 |
| × | 3 |
| | |

2. anYnZo JnBç nVrc 26 JnBçH\$ 9 JnBZm Mnam {Xcm AOZ {H\$Vr JnBZm Mnam ÚmMm Anh?

| XeH\$ | EH\$H\$ |
|-------|---------|
| | |
| | |
| | |

JnBZm Mnam ÚmMm an(hcm -

n[a(ei>"B^o
_w` nũ` mH\$ / {ej H\$ àiZndcr

A) {ej H\$ / _w` nũ` mH\$MoZnd : -----
 ~) emi MoZnd d nÎmn : -----

H\$) ej {UH\$ nmi Vm ----- S) AZŭd -----

1) ABL gnR\$ cmUmoogn(hĚ` ghOmghOr CncăY hniVoH\$m? Zgè` ng H\$naU H\$m ?

2) ABL gnRr cmUmoogn(hĚ` {dŪnVv g\$` à_nJonngoAnhoH\$m? Zgè` ng H\$naU H\$m ?

3) Văhr ñdV... Vw`À` m dJn@nR\$ H\$ŭVr gn(hĚ` {Z_Ūr H\$cr Anh@ H\$ŭĚ` m {df` ngnR\$?
 Zgè` ng H\$naU H\$m ?

4) ABL _Ū` oghH\$nar {ej H\$ŭr _XV {` i VoH\$m ? H\$em àH\$nao?

5) ABL nŌV am-{dVmZm _w` nũ` mH\$ / d[ađ> A{YH\$nar `nŭlo ghH\$m` ©_i Vo H\$m?
 H\$emàH\$nao?

6) ABL g\$ŕenZm am-{dVmZm nmcH\$ŭlo ghH\$m` ©_i VoH\$m? H\$emàH\$nao?

7) ABL nŌVrZo gd©Aä` ngH\$ {Xcè` m H\$ncndYrV nŭ©hniVo H\$m? Zgè` ng H\$naU
 H\$m ?

8) ABL nŌVrZogHēnZmŃTšHšU HšĒŋg {HšVr di XŃmV ?

9) ABL HšSŋmXŌmHšgmAnho? {HšVr dŋŋmgZ dmaV AnhmV ?

10) ABL nXYV am-dVmZm {dŪmŋŋHšSž gmhĒŋmMr 'nšVnš>hmVoHšm ? hmDš ZŋŋohUž
HšŋUvr I ~aXnar KŃcr OnVo?

11) ABL nŌVrV dJnŋŋŋŋA{VŌmŋV / A{VHš' r {dŪmŋŋu gšŋŋm AgĒŋmMoHšmŋŋ n[aUm
hmŋmV ?

12) ABL nŌV am-{dVmZm {dŪmŋŋModVž {eñV~Ō AgVoHšm ?

13) ABL nŌVrŪmŋo {eHš{dceŋŋm KŌHšMo 'jĒŋ' mZ HšĒŋŋŋŋRš HšŋUvr nŌV / Vž
dmaVmV ?

14) AŪŋŋŋZmV 'mJonSĒĒŋŋm {dŪmŋŋŋZm ABL nŌVr CnŋŋŋV RaVoHšm ? HšmāHšmŋo?

15) ABL nŌVr ~m-V Annco' V Wnš>ŋŋmV {chm ?

n[a(eia" '\$

'w¶¶¶¶mH\$/{ej H\$ ¶¶¶

| A.H& | 'w¶¶¶¶mH\$/{ej H\$ Znd |
|------|--|
| 1 | I r' Vr aUZdao' rZm Yn\$¶¶¶ |
| 2 | I r' Vr WmOaglb^m/nB¶¶¶ednOr |
| 3 | I r. {ZähU VmZnOr gI ¶¶¶ |
| 4 | I r' Vr Am¶¶¶ emXm n¶¶¶ |
| 5 | I r' Vr qeXoà(dZm Am àH¶¶¶ |
| 6 | I r' Vr MnMa ' ¶¶¶H\$Zr OnbtXa |
| 7 | I r. XpH\$a hZw ¶¶¶ Vm¶¶¶ |
| 8 | I r. ' ó nDo{Xbrn am¶¶¶ |
| 9 | I r' Vr Vbr b¶¶¶¶¶dm bú' U |
| 10 | I r' Vr n¶¶¶¶b g¶¶¶¶br g¶¶¶¶ |
| 11 | I r' Vr g¶¶¶¶g¶¶¶¶br {dZ¶¶¶ |
| 12 | I r. dOdoàH¶¶¶ H¶¶¶Um |
| 13 | I r. ^n¶¶¶boJUe à^¶¶¶H\$a |
| 14 | I r' Vr ^nband {dUm em¶¶¶¶¶ |
| 15 | I r' Vr g¶¶¶¶H\$a g¶¶¶¶ m A{Zb |
| 16 | I r' Vr ìhr.¶¶¶. Jm¶¶¶H\$d¶¶¶¶> |
| 17 | I r' Vr ^¶¶¶ em{bZr g¶¶¶¶¶d¶¶¶Z |
| 18 | I r' Vr OJVm e{¶¶¶ ¶m A{OV |
| 19 | I r. ^¶¶¶ YZnOr {Zd¶¶¶¶ |
| 20 | I r. an¶¶¶Uog¶¶¶¶¶ Am-nOr |
| 21 | I r. n¶¶¶¶ao' ZnO¶¶¶¶ na aK¶¶¶¶¶ |
| 22 | I r' Vr ' ¶¶¶w boe¶¶¶¶n¶¶¶br d¶¶¶¶¶ndZ |

| | |
|----|---------------------------------|
| 23 | I r' Vr ganmboe\$nmbr A\$H\$ |
| 24 | I r' Vr ~Tø{dUnKdr gXp^nd\$ |
| 25 | I r. XbdnB^eH\$a {^' m |
| 26 | I r' Vr Kmo{Xnmbr gme |
| 27 | I r' Vr {ZJSøaEZ' nbm JmqdX |
| 28 | I r' Vr ~Sxoaó' mXlmmi ¶ |
| 29 | I r' Vr I bgoVfmg\$nr |
| 30 | I r' Vr I nmSøg\$Vm gnd oea |
| 31 | I r' Vr CaQ>Xbndr ' nmZ |
| 32 | I r' Vr ndra A{ZVm Aenb\$ |
| 33 | I r. ~XH\$Sø dmpè' H\$ gnhe-and |
| 34 | I r. Znd\$ønmmQ>{XZH\$a |
| 35 | I r. {ZJSøEg.Oo |
| 36 | I r' Vr Mnyar {Xnmbr Vfrna |
| 37 | I r' Vr ' T\$H\$a en\$nr g\$nr |
| 38 | I r. gbmr dnSøamr MØ en\$namr |
| 39 | I r. XhnmH\$a {edHø' na ' hmKd |
| 40 | I r' Vr ^nø oAnem-nB^~i d\$ |
| 41 | I r' Vr H\$nr e\$nmbr ' hne\$D |
| 42 | I r. Xm Jøabú' U amr MØ |
| 43 | I r. ' n\$ki o' hmKd àH\$ne |
| 44 | I r. {-ehmr Uo{dO¶ AnBnmOr |
| 45 | I r. {-ehmr UoA{Zb ' hmKd |
| 46 | I r. bb\$ndi og\$nr àH\$ne |
| 47 | I r' Vr Kn\$Hø O¶ I r amr ^nd\$ |

| | |
|----|-----------------------------------|
| 48 | I r' Vr AI nSøH\$ondVr ~mi y |
| 49 | I r. B\$ir H\$a ' ZnD |
| 50 | I r' Vr {edVaoO¶ I r Vm\$amr |
| 51 | I r. JnS>eH\$a amr Xng |
| 52 | I r. dnK' nao{dO¶ gnr~my |
| 53 | I r' Vr VngJndH\$a ' Xn(H\$Zr gwe |
| 54 | I r. dnS\$H\$a anO¶ gnmnz |
| 55 | I r' Vr Jn¶H\$dnS>' Xn bmbnOr |
| 56 | I r. dnëhH\$a gO¶ Znr Xd |
| 57 | I r' Vr nn\$naogwd m ZnJw |
| 58 | I r' Vr AndOag\$JVm H\$neZnV |
| 59 | I r. emr Zo{ednOr J\$JmYa |
| 60 | I r. KnS>log\$Xn {ednOr |
| 61 | I r. H\$H\$ gwe ~-Z |
| 62 | I r. SæB©nSæ{ZVrZ Vm\$amr |
| 63 | I r' Vr e' m¶Jnar niz' M\$ |
| 64 | I r' Vr I nmSæen¶nr gwe |
| 65 | I r' Vr ~H\$mi Z\$nmVnB©~mi ngnhø |
| 66 | I r' Vr dnS\$H\$a AØZm gwe |
| 67 | I r' Vr ndna H\$ne¶m{Zd¶nr |

n[a(εiə" '\$

H[VqWV AÜqQZ nUXVrZo(eH\$Ure¶m(dÜ¶rMhMr ¶rXr

| A. H& | {dÜ¶rMhMrMoZrdo |
|-------|----------------------|
| 1 | gmVPS {dH\$ng gUg |
| 2 | {X¶m g\$Xn gUg |
| 3 | {ed' g¶nf ~n&b |
| 4 | HÜmb JU-m gUg |
| 5 | A' a g¶nf an(OdSø |
| 6 | O¶e {H\$aU anDUo |
| 7 | VZOm gD¶ P\$ø |
| 8 | {H\$aU H\$ong Mi hñU |
| 9 | F\$Om ' hñKd {Jao |
| 10 | I Vr à^ñH\$a I nñSø |
| 11 | gmVPS g(Zb H\$H\$ |
| 12 | Jm¶mr à(dU {eagnR> |
| 13 | An¶¶r OJ(Xe PñDbo |
| 14 | Apñ' Vm' Znna I nñSø |
| 15 | hf& OmZw{hado |
| 16 | daX C' e XdH\$a |
| 17 | gm¶br {dbng nñSñi o |
| 18 | {ednZr g¶nf gannbo |
| 19 | A{XE¶ ^JdmZ dnK |
| 20 | {ä¶ñH\$ñ C' eoMi hñU |
| 21 | Z&m Mi hñU |
| 22 | Anø g\$Xn Xmf bo |

| | |
|----|------------------------|
| 23 | g{ ' j m CInnr Xnr bo |
| 24 | gn(hb H\$Um gUg |
| 25 | {a qmH\$C' e MihnU |
| 26 | Z\$ m AZYm MihnU |
| 27 | H\$e qmUr qolanO MihnU |
| 28 | Ano anOp OYo |
| 29 | I Vr M\$H\$Y OYo |
| 30 | AaVr ~mi H\$U ~bogo |

n[a(eia" '\$

nra[raH\$ nUXVrZo{eH\$Ura[m{dU[r]r]rMr q[rKr

| A.H\$ | {dU[r]r]rMoZrdo |
|-------|---------------------------------|
| 1 | A{^{\OV gYnf Mndlbo |
| 2 | 'mZgr à{Xn Jm[H\$dnS> |
| 3 | Am[r]f g[V Jm[H\$dnS> |
| 4 | Zm' Xol {ednOr Jm[H\$a |
| 5 | àUd Xlmm[r] H\$S-i o |
| 6 | AZiH\$m A[te H\$Sø |
| 7 | AZi' r g{Ve H\$Sø |
| 8 | A{ZH\ A{Zb biH\$ao |
| 9 | A{dZme {nanOr 'mZo |
| 10 | g[Si' g\$'nOr 'm'ao |
| 11 | Jm' ar anOp 'm'ao |
| 12 | gmO M[H\$y ZnKao |
| 13 | V{Zfm H\$S'orH\$ 'nQao |
| 14 | nZb Zm' Xol 'nQao |
| 15 | ^{\ H\$m bhp' nQao |
| 16 | VZOm gmYwndna |
| 17 | VZdr {ednOr qeXo |
| 18 | I'wr aqdD e\$Jo |
| 19 | Jm'ad n[efn[mr Vm-Q> |
| 20 | g{' j m {XnH\$ Vn\$-Q> |
| 21 | {gUXnV [©] gme dr(edbo |
| 22 | Zbm aqdD H\$S-i o |

| | |
|----|-------------------------|
| 23 | gn[ZH\$m gnmmZ gmi t\$ |
| 24 | I Q e g[Zb OYo |
| 25 | {j VrO H\$m amr gmi t\$ |
| 26 | gn[hb ~i ramr gmi t\$ |
| 27 | knZda JndXm gmi t\$ |
| 28 | gmJa {dCb drS-H\$ |
| 29 | gn[ZH\$m I rnrX gmi t\$ |
| 30 | g{ ' a ' hnXd ~bgo |