



fd l Hkh Åpkb;ka ij ¼vkj- vkckjh; e
vksj vkj- ckchVe 6000&8000 QhV ij(
vkj- dEi syyVe) 10000&11000 QhV(vkj-yfi MkVe
vksj vkj-, UFKsi kxe) 12000&13000 QhV Åpkb; kkb
Qyu] iqi .kj cht LFkkiu vksj fNrkjo dks 15 l s, d
ekg vksfd; k x; kA vkj-dEi syyVe tks, d çdk'B
ykbv çtkfr gS dsi kSkadksvi uh çkdfrd jat l sÅij
dh vksj gYds l sc<fsgg n[k x; k] tksn[jstksu ea
çtkfr dh xfr'khyr dk , d l dsr gA



vkj- vkckjhVe

vkj- ckchVe



Å/okheh vkj- dEi syyVe



vkj- dEi syyVe

vkj- , UFKsi kskkb



vkj- yfi MkVe

i kSk voLFkk ij mRçfjr rkieku vksj ueh
vf/k' kkl u ds rgr mlur co₂ Lrjka ds
fy, egRoi w kZ o{k çtkfr dh vuqØ; k ij
v/; ; u

mlur co₂ l kfk gh l kfk rkieku dsfy, o{k
çtkfr; kadh vuqØ; k ij v/; ; ukadsfo'kSk l UnHkZ ds
l kfk tyok; q ifjorZu vuq U/kku djus ds fy,
vkmkveS/M vksiu vkm pSc l Z LFkkfir fd; k x; kA
dk; De ds vuq kj l kxk[dSokfjuk] ; v[Sy l V l]
, yUFkl] uhe vksj cka dsrhu ekg dsi kSkadksrhu ekg
dh vof/k dsfy, 600 ih-ih, e- vksj 900 ih-ih, e- ij
vksiu vkm pSc l Zeamlur co₂ Lrjka evukor fd; k
x; kA l kfk gh l ef) dj.k co₂ dsfcuk vksiu vkm
pSc jkaefu; æ .k eaHh i kSkadksj [k x; kA i kSkadksn[j s
l v' dks i fjoSkh okrkj .k ea pSc j dsckgj fu; æ .k eaHh
j [k x; kA of) i jkehV jka i j çSk. kkausn'kZ; k fd co₂
Lkef) dj.k vksj fu; æ .k okrkj .k ds l UnHkZ ea of) ea
egRoi w kZ fofHkUurk fo | eku gA n[jk] mlur co₂ Lrj
ds çfr i kSkadks dh vuqØ; k çtkfr; ka ds chp vR; f/kd
fHku gA dy feyk dj ÅpkbZ of) ds l UnHkZ ea vuqØ; k
l dk jkRed FkA l kxk[dSokfjuk] ; v[Sy l V l vksj
, yUFkl usco₂ ds mfrFRkr Lrjka ds rgr mPrj of)
ntZdh gStcfd uhe usmfrFRkr co₂ dh vi\$kk mfrFRkr
rkieku ds rgr vf/kdre of) ntZdh gA cka dh
of) mfrFRkr co₂ vFkok rkieku jkjk l dk jkRed # i l s
çHkfor ughaFkh t[jkl k; fud v/; ; u çxfr ij gA

fofHkUu vk; j LFkyka vksj çCU/k vf/k' kkl u
ea egRoi w kZ o{k çtkfr; ka ds dkcZu i ny
{kerk ij eH; kadu

rfeyukMq ea dSokfjuk bfDo l hfVQksy; k
ds 69 jki .k adk l o{k .k vksj fofHkUu enk fdLeadsrgr
200 o{k ka ds iru rFkk fl apr , oa o'kZ ij vk/kfjr
voLFkk vka ds rgr t[bek=k ea'kjd inkFkZ mRiknu , oa
dkcZu LVkkl dk vkdyu fd; k x; kA bl h çdkj
t[bek=k vkdyu dsfy, 81 jki .ka l s 243 ; v[Sy l V l
o{k ka vksj 7 jki .ka ea 21 , d f'k; k eH/t ; e o{k ka ds
uew sfy, x, A dkcZud dkcZu vksj fofHkUu vU; xqkka



dsfy, bu jki .kka l s, df=r enk uenuka dk fo'yšk.k fd;k x; kA l kxksu jki .kkaeadkcZu iwy eW; kaDu fd; k tkjgk gA

ouLi fr dkcZu iwy eW; kaDu vku/kz çns k mÜkj h {ks=

vku/kz çnsk ea Jhdkdye fof; kuxje~ vls fo'kk[kki VVue ftyka ds 11 {ks= LFkyka ea ouLi fr dkcZu iwy eW; kaDu v/; ; u fd, x, A of) iJketVjka dksvfHkyf[kr fd;k x; k] tksApkbZ?kj vls tsek=k gA

vku/kz çns k ds N% ftyka ds fy, jk"Vh; ouLi fr dkcZu iwy eW; kaDu

çR; d 0-1 gDVs j dspkj DckMVs cukdj iWZ fu;r Hksksfyd funZkkdka ij dy 36 Hkf.k.Mka dk v/; ; u fd; k x; kA Hks; iifjd tsek=k vls LFkkrud l puk ij vkkMVs, d= fd, x, A vku/kz çnsk ds N% ftyka ; Fkk&eMd] egcuxj] xWVij] ukyxkMk] jsk jMMh vls gñjckn ea dy ou tsek=k dk vkdyu fd;k x; kA oukadscgk o{kadh tsek=k dk vkdyu 40 LFkykaeçLrkfor gA

dkcZu fl ad ds #i ea budh {kerk ds fy, m".kdfVcalh; ou o{k çtkfr; ka

VDVksk xBMMI] 'kksj; k jkktVv vls ; dlyIVI gkbfcM ds fy, l ekJ; .k l ehdj.k fodfl r fd;k x; k vls jki.k rFkk dfr'k okfudh ç.kfy; kaebu l ehdj.kka dk mi ; kx djsdskcZu dk ifjek.k fu/kkZjr fd;k x; kA o{k çtkfr ds #i ea MSYcftZ k fl LI j ; dlyIVI] gkbfcM vls ikafe; k filukVk ,oa VDVksk xBMMI rFkk dfr'k QI yka ds #i ea VRbfVde , fLVoe] fl I j , fjbVVue] foFkkfu; k l kEuoQjk] gkMhZ e ofxjh ,oa , ohuk QVw k ds l kFk dfr'k okfudh ç.kfy; ka LFkkr dh xBA o{k çtkfr ds #i ea MSYcftZ k fl LI vls VDVksk xBMMI ds l kFk dfr'k okfudh ç.kkyh ea VRbfVde , fLVoe QI y us vf/kdre dkcZu vyx fd;k bl ds ckn foFkkfu; k l kEuoQjk vls fl I j , fjbVVue jgA iUnj l ky ds

VDVksk xBMMI vls MSYcftZ k fl LI vds l kFk dfr'k okfudh ç.kfy; kaeadkcZu i FkDdj .k eavf/kdre ?kVko fl I j , fjbVVue ea gvkA bl ds ckn VRbfVde , fLVoe vls foFkkfu; k l kEuoQjk jgA



m".kdfVcalh; ou vuq dku l kFku iflj ea LFkkr VDVksk xBMMI vls gkMhZ e ofxjh dksfeykdj dfr'kokfudh izkkyh

mÜkj h jktLFkku ea dQn ftyka ea ouLi fr dkcZu iwy eW; kaDu

jktLFkku ds Jh xakuxj] gukux<+ p#] >uifl dj vls t; ij ftykaeouka, oaoukadscgk o{kkaeadkcZu xfrdh rFkk o/kku ouLi fr eadkcZu dk eW; kaDu fd; k x; kA bu ftykaeou dsckg o{kkaads rgr dy 19 ou LFkyka vls 33 Hkf.k.Mka dk l o{k.k fd;k x; k vls oukaeçR; d LFky eapkj dsl em uenuka eao{k vls >kM; kadh eki yh xBA oukadscgk o{kkae dQn dfr'k Hks] l kmpk; d Hks] jkt; jktekxZ jk"Vh; jktekxZ jsyosHkskx] ugj ykbu vls xkpkadkstkM us okyh l Mdka dk l o{k.k fd;k vls of) ifjofrZ kadh eki yhA fofHku ?kj Jf.k; kadk çrfuf/kRo djusokys o{k dh vk[kjh 'kk[kvka dh tsek=k rkts vls 'kqd uenkanksdsfy, vfhkyf[kr dh xBA

jktLFkku dh fofHku ou fdLea ea dkcZu i FkDdj.k ij v/; ; u

jktLFkku ea ouka ds dkcZu LVkkl dk , d vkdyu miyCk djkus ds mnas; ds l kFk 336 ou Cykklka vls bu Cykklkae446 LFkykadscdoj djsckg ftykadk l o{k.k fd; k rFkk o{k , oa>kM; kadh of) dh



eki yh vls >Mlt@'kcd tsek=k vfhfyf[kr dh xBA Hk/k.Mka l s[kji rokj] ikni , oaenk uewka dksHkh , d=fd; kA çfr'kr enk dkcZud dkcZu rFkk vdkcZud dkcZu eaftykadschp 0; k; d fofHkurk FkA guækux<+ftysea0-17% l sckd okMlt ea0-99% rd enk dkcZud dkcZu eafofHkurk FkA] tçfd >uweayxHkx 'klt; l s fpUkka/x<+ftysea1-12% rd enk vdkcZud dkcZu ea fofHkurk FkA ysVMhfu; k ikbjk/sDudk dh rtkk Hk; qfjd vls Hkne ds uhsps tsek=k 0-29 l s 2-63 1/0-97 dk vls r½ ds chp vkj@, l vuqkr ds l kFk Øe'k%0-09 l s19-0 fd-xk- l s0-05 l s20-0 fd-xk rd FkA



ckMej ea; dksfz k dMlt Qlky; k >Mlt ou



ckMej ea jxLrkuh fVCck >Mlt ea tkyk ea jxLrkuh fVCck >Mlt ea dS/kVfi l ikj jk dS fj l Ml Mqk

ckMej ftyseackymfVCck >Mlt 92 l seh- dso{k ?kjs6-5 eh- dh Åpkbzvls 6-6 eh- dsN= 0; kl ds l kFk vls 0-68 ds tM+çkjg vuqkr ds l kFk dS/kVfi l çk jk }kj k vka'kd #i l s'kfl r ikbzxbA tkyk ou çHkx ea190 l seh- ?kjs 5-5 eh- Åpkbzvls 5-6 eh- N= 0; kl ds of) ifjofrz ka ds l kFk dS fj l Ml Mqk o{k ç/kku {k= Hk nçkk x; kA ysVMhfu; k ikbjk/sDudk ds of) ifjofrz kaeadklyj ?kjk Åpkbzvls N= Øe'k% 5-26 l s40-50 l seh] 55-0 l s233-0 l seh- vls 36-0 l s 380-0 l seh- FkA fl jksh ou çHkx ea efxQjk bMdk dk , d fefJr ou nçkk x; kA



ckMej ea, y- ikbjk/sDudk vls dMlyxkue i klyhksk dMlt dh jxLrkuh fVCck >Mlt



fl jksh ea efxQjk bMdk fefJr ou

[kji rokj l we thoh xfrdh ij tyok; q ifjorZu dk çHkko

mUkj i wZHkjr eafMIVkjkdkizou ea [kji rokj l we thoh xfrdh ij tyok; qifjorZu ds çHkko dk vl; ; u djus ds fy, noekyh vkj{kr ou %/#. kpy çnsk½ vls ekjg %ef.ki g½ ds fMIVhjkdkiz i Ukh [kji rokj vi?kVu dsfy, mUjnk; h l wedodh dh vBjg çtkfr; ka dks Øfed rundj .k&ly/ x.kuk fof/k dk mi; kx djds rhu rkilgu'khy oak ¼ Lijftyl çtkfr] dbV/kfe; e- çtkfr vls jkb tkE; wj çtkfr½ ds l kFk o'kZ ds fofHku eks ekaea i Fkd fd; k x; kA , Lijftyl çtkfr 55 fm- l s vls bl l svf/kd ij thfor ughajgh rFk 35 l s 45 fm- l s ij vfkdre of) nçkh xBA dbV/kfe; e çtkfr dsekeys eavuphyre of) rkieku dh jat 55 l s 60 fm- l s ikbz xbz vls jkb tkE; wj çtkfr dh 45 l s 55 fm- l s FkA l wedod dh vkcknh xfrdh ij vl; ; ukas fofHku eks ekaea i; klr fofHkurk fn[kkz tks vi?kVu dh nj ij fuHkz gA vi?kVu vls l wedodh vkcknh dh vfkdre ek=k o'kZ h eks e ea nçkh xbz bl ds ckn ol Ur ea Fk vls l nhzeal; ure FkA Hk; qfjd enk dh rgyuk ea Hkne ds uhsps dh volFk ¼ rgh ijr ds Bhd uhsps eavi?kVu dks mPp nj vfhfyf[kr dh xBA xr



n'kd 1/1999&2000%dsHkrj [kjirokj vi?kVu nj ea
ifjorZka dk eW; kadu djus ds fy, bu vkdMka
1/2009&2010%dh rnyuk dh xbvks; ifj. kkeaus-1-07 l s
1-01 rd vi?kVu nj eadeh vks; bl h {s-Qy dsfy,
fyfXue l khnrk ea?kVko , oaukbVktu l khnrk eaof)
dksn'kz; kA

l n'ij l onh vk/kkfjr tS&tyok; oh;
rkfydk dk fodkl

mUrk'kh; ds l cdk ea dN n'kdka ea cdk'B
ykbu vks; rFk oxka ea ifjorZkadh oS rk dks eW; kad r
fd; k x; kA chnuh cK; ky pekyh x<oky ds, Yikbu
{s-ka ea ouLifr vlrXeu eW; kad r fd; kA
Hk&l R; ki u 1/2 tkr l a kstu 1/2 ds fy, ifjorZk ds
{s-Qy dks l heladr fd; k x; kA o{k ykbu ouLifr
fo'kSkdj jk&M/M/M/ksu dEi sny/ve/ , fct fi UM/ksvks;
DodZk l fedkfi Dkfy; k ds i kka, oa ckyo {ka dks
, Yikbu tksu dh fn'kk eaxfr djrsik; k x; kA

df"k okfudh vks; tyfoKkuh; vuq; kxka
ds fy, LopkfyR ekS e LVs ku@
df"k ekS e foKkuh; LVs ku vkdMka dk
mi ; kx

dklgk jk"Vh; i kdZ cku/kox<jk"Vh; i kdZ vks;
ek/ko jk"Vh; i kdZ
ea LopkfyR ekS e
LVs ku vks; df"k
ekS e foKku LVs ku ds
l ehi LFkyka dk p; u
fd; k x; kA p; fur
LFkyka ea?kkl tsek=k
v/; ; u fd; k x; kA
30 l seh- vlrjky
ij 1-50 eWj dh
xgjkZ rd enk ueh
ckOkby dh eki yh
xbA l rg , oa mi
l rg enk ueW; , d=
djds c; kx'kkyk ea
fo'ySk. k fd; kA



dklgk jk"Vh; i kdZ ea, , e , l
ds l ehi enk ueh i kOkby
dk v/; ; u djrs gq



dklgk jk"Vh; i kdZ ea, MGY; w, l
ds l ehi ?kkl tsek=k dk
v/; ; u djrs gq

ouLi frd c.kkyh ea AtkZ , oa n0; eku
fofue;

phM+jki .kkaeal (e eki i) fr , oatS Hk&rd
i jkehVjka ds eki ds fy, Hk&l rg cF0; k ekMfyka
dk mi ; kx djds N= okrkoj.kh; fofue; cF0; kvka
, oa cFkfed mRikndrk dh ekMfyak] Lo&LFkku
ekika dk mi ; kx



ou vuq dku l hFku ifj l j ea
l (e eki i) fr LVs ku dh
LFkku uk dh xbA

dj ds l SVsy kb V
0; BiUu i jkehVjka ds
e k U ; dj . k ds
mn nS ; ds l kFk
ou vuq U/ku l hFku
ifj l j] nsjknw ea phM+
jki .k You ikjra=1/2 ea
l (e eki i) fr LVs ku dh
LFkku uk dh xbA

2-1-3 i kfj l Fkfr dh , oa i ; kbj .k i kfj & i u#) kj

; j'fu; e [kkuka ea i kfj & i u#) kj v/; ; u
tS&l dKj dh vk; q ds l kFk vof'k'V
vPNkfnr enk xqka ea mYys[kuh; l dKj vfhfyf[kr
fd; k x; kA ikni vof'k'Vka ds l p; u vks; ckn ea
vi?kVu ds QyLo#i i ksd l ef) dj.k eaof) ds l kFk
tS inkFZ dh of) gD tS dkcZ vks; ukbVktu
ek=k, a vk; q ds l kFk of) djrh gD ukbVktu vks;
QkMkQj l dh mi yC/krk vk; q ds l kFk c<rh gD fofue;
/kuk; u usnsl ky dh vk; qj 8-51 fd-xk- cfr gDVs j
dk l kykuk ykHk ckr djds vks; mrjkskj of) djds
i kS'k; e dh l khnrk mYys[kuh; l dKj n'kz; kA bl
cdkj fo|eku ikni ctkr; ka vYikof/k ea vof'k'V
vPNkfnr enk ds Hk&rd&jkl k; fud xqka }kj
vR; f/kd cHkfor gD jSM; kS; DykbM+ dh U; ure
l khnrk igpu dh xbA ctkr; ka Fkh&
dksyhcdh; k vikstfvQkfy; k] Mks/Mksuh; k
foLdkl k] Qj0b; k OkbVMMk] bEi jkV



I hysUMdk] tVtQk xkl hfi Qkfy; k] i kskt Vheku
cāksybl h vls I dje Li kVsh; eA ; smFkystM+rā-
dsI kFk v&[kk] de ĀpkbZvls T; knk N= vkoj .k ds
I kFk Inkgfjr gā p; fur I kr çtkfr; ka i knika }kjk
jSM; k; DykbM dsmnxg.k dh U; ure I kUnrk vFkok
fuEu [ksth I hek dksn'kzrh gā p; fur çtkfr; ka dh
tMaenk dh 30 I seh- ijr rd I ffer Fkh rFkk VsyāI
dk osku ughadj jgh FkA of)] 0; kl] vk/kfj; {ks=Qy
ogh Fk tS k çkdfrd ikfjra= eaFkk] bl fy, vof'kV
vkPNkfnr enk çHko ux.; ik; k x; kA

i f' peh ?kkV] dgy eaI {ke fufEud'r {ks=ka
dsfy, LFky fo'k'sk iqtu I d/kā; kstuk
dk fodkl

vVvkiMMh vkjf{kr ouka ea iMij] fl #ouh
FkFkackye vls iUFkuFkMweaçk; kSxd LFkykadhi igpu
dh xbA çk; kSxd Hkuf.k.Mka ea vls bl ds pkjka vls
çtkfr; ka dh I ph rS kj dh xbA çk; kSxd Hkuf.k.Mka ea
vls bl dspkjka vls ouLifr dk ek=Red ev; ka du Hh
fd; k x; k vls I Hh dk'bh; çtkfr; ka dk o{kprk ?kj k
Hh vHkryf[kr fd; kA foHku ou LFkykadsfy, vxz kh
, oaN= o{k çtkfr; ka dk p; u fd; kA p; fur vxz kh;
çtkfr; ka gā Inkgfjr ou {ks=ka %I #ouh vls
iUFkuFkM½dsfy, ehl k bāMdk] eājxk bāMdk]
DyhjkaMMe foLdkl e] vksyh; k fMvkdk vls
I htft; e drefu] FkFkackye ea vknz i .kā krh ou
{ks=ka ds fy, DyhjkaMMe foLdkl e] gksyghuk
I; wchl bl] gfyDVhjI vkbl kj] jkbv; k
fVdVksj; k] XykbdkLeI ekf'kz kuk vls bhffkuk
bāMdk] iMij {ks= ea 'kqd i .kā krh LFkyka ds fy,
, Ukuk LDoekl k] Vjhuk , fl ; kfVdk] MkMksuh; k
foLdkl k] XykbdkLeI ekf'kz kuk] Dyks huk
MbvVvk] dfl ; k vkfjdnykVk vls eMnyh; k
I sjI h; kA

ikp p; fur vxz kh çtkfr; ka ds I kFk muds
çn'kū dk v/; ; u djus ds fy, fl #ouh ea , d
ijh{k.k LFkfr fd; k x; kA iMij ea 'kqd i .kā krh ou

LFky ea nks çtkfr; ka Vj/huk , fl ; kfVdk vls
MkMksuh; k foLdkl Rhdk jsi .k fd; k x; kA

vāj.k vls iksk'kkyk v/; ; uka ds fy,
XykbdkLeI ekf'kz kuk] MkMksuh; k foLdkl k]
eMnyh; k I hfjI h; k] dfl ; k vkfjdnykVk] ukfjxh
ØhnykVk] fl iMhl cfl Qj] DyhjkaMMe
foLdkl e] ghfyDVhjI vkbl kj] gksyghuk
I; wchl bl] jkbv; k fVdVksj; k] eSykV
fQfyi sūI I] eSykV Vvkdckl vls vksyh; k
Mk; kdk dscht , d= fd, x, A

I Qyrk dh dgkuh

}hi I engkads v.Meku I eng dh I qkeh
rckg rVjs[kk dk i kfj & i q#) kj
2004 eaI qkeh vkusdrgjUr ckn 2005 ds
nkSku , d ifj; kstuk 'kaf dh xbA ifj; kstuk dk
mnas; vk/kud iksk'kkyk vls jsi .k çkS kSxdh
viukdj rFkk I cl smi; qr cht I ks dk mi; ks
djdsmlkj] e/; vls nf{k.k v.Meku }hi I engkae
j{kki VVh jsi .kka dk fodkl djuk FkA bl dk
mnas; ifj; kstuk çxfr ds I kFk bu rduhdkae
v.Meku , oafudkskj ou foHkx ds {ks= depkj; ka
dk {kerk fuekz k djuk Hh FkA ou foHkx ds I Ø;
I g; ks ds I kFk ifj; kstuk vof/k ds nkSku
}hi I eng ds rhuk I eng ea yxHx 40 gDVs j
j{kki VVh jsi .k LFkfr fd, x, A LFkfr bu I Hh
jsi .kka ea 80% I svf/kd dk LVkM gā gj LFku ea
I Hh {ks= dk; Dyki kaalFkkuh; I epk; ka dks'kfy
fd; k x; k vls ; sbu tō nhokjadh I j{k djusea
I gHkxh Hh gā bu jsi .kka dh LFkfr uk , oavuj {k.k
usI qkeh ds mi jkUr dfBu vof/k ds nkSku jst xkj
miyC/krk ds #i ea vktfodk ds I vol j Hh
I ftr fd, vls dk; Zcy dh cMā I ā; k efgykva
dh FkA



fuEuhdr I kempf; d Hkfe dk i kfj & i q#) kj
 x<oky ds i kMh ftyseaMkMk Jh ukxjktk ea
 mi; Dr o{k ctkfr; ka dk jki .k djds fuEuhdr
 I kempf; d Hkfe dk i kfj & i q#) kj fd; k x; kA cjkEHk ea
 VfeLufy; k phcykl VfeLufy; k cysfjdkl tkybl
 jhx; kl xhfofy; k jkMh Vkl vls ehfy; k dEi kft Vkl
 vkn tS h ou o{k ctkfr; ka dk jki .k fd; k x; kA
 xhfofy; k jkMh Vkl dk cn'ku cgrj ik; k x; k rFk
 LFky dsfy, I cl smi; Dr FkA LFkkuh; ykxkadsfy,
 ck; ksd LFky ij jksir ctkfr; ka ij I puk dk cl kj
 djdsikfj&iq#)kj , oal j{k.k ij tkx#drk dk; De
 pyk; k x; kA

ou i kfj r= ij vkOed ctkfr; kadk cHkko
 nsk dsl cl stfodh; #i I sl onh {ks=kaeadn
 eavkOed ctkfr; kads vkOe.k , d xkhj I el; k gS
 D; kad ; sctkfr; kaçk; %nskd ikfjr= dh I j puk , oa
 I a kstuk dksny nrh gbl fy, ; snskt tfofo/krk
 dsfy, I dV gA

dkftjack jk'Vh; ikdZ vle ea feek k
 bflol k vkOe.k dh ikjflFkfrdh ij vuq akku fd; k
 x; kA fonskt ctkfr; ka dh mifLFkr vls tfodh;
 vkOe.k , d 0; ki d vls egxh i ; kbj .kh; I el; k gS tks
 xr n'kdka exgu cclvk dk; Zdyki ka dk dbnz jgk gA
 v/; ; u {ks= dk 810 eh- x 810 eh- vkdkj dk fxM
 ekufp= I ftr fd; k x; kA fn'kk fo; kstu I SvykbV
 fcEck ¼ y-vkbZ, I - , I -3½ dk oxhZj.k fd; k x; kA
 çR; d ou jat eafeek k dh mifLFkr@vuqflFkr ds
 fy, ç'ukoyh vk/kfjr eW; kadu I o{k.k Hkh fd; k x; kA
 feek k vkOfer [k.Mka ds Hk&funskda ds I xg.k ds
 fy, th-ih, I- vk/kfjr cjkfEHkd I o{k.k v/; ; u {ks=
 dsfy, fd; k x; kA th-ih, I- I puk vls cjkfEHkd
 oxhZr ekufp= ij vk/kfjr , d **I {ke vkOe.k
 ekufp=^ rS kj fd; kA tyk&I kj.k I Melh dSi LFku
 dEi kvbV vls fxMkatS sfodVj ys I Zds th-vkbZ, I -

i ; kbj.k ea I {ke vkOe.k ekufp= ds I kfk , dhdr
 fd; k x; k vls vk/kj ekufp= rS kj fd; kA dkftjack
 jk'Vh; ikdZdh cxkjh jat ea3 fofkku feek k I sxfl r
 LFkykaea i kni & I kelftdh; v/; ; u fd, x, A feek k
 dh __rçfodh; ?kvukva ij vkMhMsvfHkyf[kr fd,
 vls Qhukste rS kj fd, x, A dkftjack jk'Vh; ikdZds
 if'peh] dbnz;] i nhz vls cjkQj jat ka I svkOe.k fd,
 x, {ks=kaea igpku fd, x, A LoLFk feek k i kni ka I s
 cht , d= fd, x, A cht tfodh vls vadj .k v/; ; uka
 dsfy, cht ka dks çOfer , oa Hk.Mkfjr fd; k x; kA
 ç; ks'kkyk vls i k'kkyk voLFkva ea cht vadj .k
 ijh{k.k rS kj fd, x, A enk cht cbl I si k'k fuxeu ds
 fy, {ks= ijh{k.k Hkh rS kj fd, x, A , d

ç'ukoyh (हिन्दी भाषा में) तैयार की
 xbz vls foहमान मिमोसा
 fu; k के लिए
 ç'ukoyi
 vk/kfjr
 eW; kadu
 I o{k.k fd; k x; kA dkftjack jk'Vh; ikdZ vle Hkr dk I SvykbV
 vkMh ¼ y vkbZ, I , I 3½ oxhZj.k



ySVkuk ds vkOe.k dk ikjflFkfrdh;
 çHkko eW; kadu] bl dk fu"dkl u vls
 vkokl dk ifjorhZ i q#) kj

mijkk[k.M eajktkth jk'Vh; ikdZdsçdfrd
 oukaearhu I ky igkusySVkuk fu"dkl r vls ySVkuk
 vkOfer LFkyka ea ouLifr fo'ysk.k fd; k x; kA
 ySVkuk fu"dkl r LFkyka ea çHkoh o{k ctkfr; ka dk



ikdZ {ks= ea ySVkuk dk vkOe.k



ySVkuk dks gVkus ds ckn nskt fuEu forku ouLifr dh of)



iqtzu v/ ; ; u fd; k x; kA jtkth jk'Vh; ikdZ ea ; wdfyVI jki .k {ks=kaeaySVkuk vkOe.k} fu"dki u vls ckn eaiq#)kj dsQyLo#i ikni ctkfr fofokrk ,oa l ef) ij cHko dk eW; kadu Hh fd; k x; kA ySVkuk ds fu"dki u dsQyLo#i fefJr ,o d ky c/ku ouLifr l epk; kae [kkl v/kfokru nskt ouLifr dh c/kkurk ea mYys[kuh; ifjoru vfhfyf[kr fd, x, A

t b&l qkkj

t b&l jkd; ds }kj k ckDI kbV vo'ksk dk t b l qkkj

t b l qkkj , d fuEu ykx ,oa i; kbj.kh; vuqny rdudh g f t l eal k/kkj.k #i l sl mfr'kr {ks=ka ,oal eL; kRed enk dsl kQ djus dsfy, ikni ka ,oa thok.kq/ka dk mi; lsk glrk gA ckDI kbV vo'ksk %ky dhpM% , yfeuk m | lsk dk , d vls ksd vif'k'V xkSk mRikn gA Cymxhu , Yxh l o/kz fodfl r fd; k x; k vls ch-th, - l o/kz dk co/kz cxf r ij gA bl ifj; kst uk ds rgr dskcDVhfj; k l o/kz dh fofokru ctkfr; ka dks cfof/kz fd; k tk jgk gsvls yky dhpM+l qkkj ij buds cHko dk v/ ; ; u fd; k x; kA p; fur ctkfr; ka mnkgj.k& MS cftz k fl LI ji ckd kfi l tny/ykykj / , ds'k; k vkij dnyQkbe l] fi Fkh hyksc; e MYI s vls dsl ; k fl ; kfe; k ij ckDI kbV vo'ksk vls dskcDVhfj; k l o/kz d st b l jki .k dsl qkkj ds cHko dk v/ ; ; u djus dsfy, ikk'kyk c; ksd ij h(k.k cxf r ij gA

vif'k'V ty d st b&mi pkj dsfy, dod

foHku dod ; Fk&nyok/MU nyol / vkDI hi kj l jfoMI] LdhtkQkbye dkkwuh/ MehVI ofl Bklyj Vh- fl xnykVv vls i hDuki kj l l xnuh; l ds l kfk fofokru m | lsk ea c; lsk fd, x, rkd of) vls t b l qkkj {kerk dh tlp dh tk l dA

dqN xkpkadk ou uohdj .k l v(e tyok; q

ikni l kelt dh; i jkehVjka mnkgj.k& ?kuRo] ckjEckjrk] cpjrk] vk/kfj; {ks=} egRo i wkzeW; rkfydk]

ctkr fofokrk rkfydk] c/kkurk ,oa, d #irk dh l klnrk enk ds Hkrd jkl k; fud xqk rFk nks ; Fk ukxno eflnj] ijh ,oa fu; k p; fur LFkyka l s ,df=r nsud ek eh; vkMka ij v/ ; ; ukasn'kz k fd v/ ; ; u LFkyka ds ouLifr ,oa enk vofLFkr ea fofokurk Fk fdurq LFkyka ds ek e vkMka ea mYys[kuh; fofokurk vfhfyf[kr dh xBA

iknih fofokrk ij 'kgjhdj.k dk ikfjLFkfrdh; cHko

'kgjh@xkp vkokl ka l snjh ds l cu/k ea ou ikjra= eao{k fofokrk] v/kkf) t b ek=k] l ki \$k vknzk ea of) vls v/kkf) ctkfr fofokrk ,oarkieku ea deh n[kh xBA l ehi orh'ou ikjra=kaeafLFkr vkokl a uspj k vls bku dk'B dsl xg.k dsfy, ou l hFkka ij fuHj rk dsn'kz kA

ngjknw ea ok; qxqkoUkk eW; kadu dsfy, ok; q cnyk.k t b ekuhVju LVs ku dk fodkl

l sykdbZ vls ksd {ks= l kfk gh l kfk 'krknh ou fokku dbnz ngjknw eaok; qnyk.k t b ekuhVju LVs ku LFkfr fd; k x; kA vls ksd {ks= ds ok; q xqkoUkk Lrj dseW; kadu dsfy, ok; qnyk.k dsfy, ikni l onh rkfydk vls ok; qnyk.k rkfydk dk fodkl fd; k x; kA nskat b ekuhVju LVs kuka; Fk& l sykdbZ vls ksd {ks= vls 'krknh ou fokku dbnz ds ok; qxqkoUkk dk eW; kadu djus dsfy, dbZ l fO; t b ekuhVju v/ ; ; u fd, x, A

uUnksh thoe. My jhtoz ds #i dqM ,oa fi Mkjh {ks=ka ds i; kbj.k ij i; Mu dk cHko

{ks= dh ouLifr] en] ty vls Hm'; ij i; Mu vFkok i; M/d dk; Zyki kadk T; knk cHko ugha FkA nskat {ks= kads l kelt d vkfkd v/ ; ; ukasn'kz k fd ysk cgr xhc g f buds ikl Ldnyka/gkbZLdny l s vks f pfdRI ky; k VsyhQks fctyh t s h vk/kj Hw



I fpo/kkvkq ; gkard fd xpkoeaI Melkadk Hkh vHko gA LFkkuh; ykscadh {ks= dsi ; V/u eaT ; knk I gHkfxrk ugha gA i ; V/u vks LFkkuh; ykcka dks I gHkfxrk dks cRkI kfgR djusdsfy, dN j.kulfr ; kadk I qko fn ; k x ; k gA

jks/kk&Mku vkckjh; e vks ekbfdk ukxh ds iqtzu vks vkcknh I j p uk ij ekuo cfr fo{kktk dk cHko

x<oky fgeky; eajks/kk&Mku vkckjh; e ds iqi.k] Qyu , oacht ifjiDou dk ekuVju fd; kA chtkadks, d= djds; ks'kkyk eavdj.k{kerc dsfy, ijh{k.k fd; kA {ks= ea LFkkuuk vks cht vadj.k ds ekuVju dsfy, LFk; h Hk;k.Mkadksfgfur fd; k x ; kA [kys vks I ?ku N= {ks=ka ea i kka vks ckyo{kka dh LFkkuuk dk v/ ; ; u fd; k x ; kA jks/kk&Mku vkckjh; e ea iqi.k dspf; 0; ogkj dk csk.k fd; kA jks/kk&Mku vkckjh; e vks ekbfdk ukxh ds i kka , oackyo{kadh I ; k I ?ku N= ou {ks= ryuk ea [kys rFk vukor {ks=eampp vHkfyf [kr dh xBA

ou vkMk vk/kkj ds ekuVju ds fy, th-vkbZ, I - dk vu; ks

mUkj&iwZ Hkjr ds th-vkbZ, I - vk/kjr ou vkMk vk/kkj ds I ; ofLFkr I tu] cuU/ku , oa mPphdj.k dh LFkkuuk dh xBA Hkksyd I puk c.kkyh usckfrd I d k/kukadsl phdj.k] ekuVju , oacdk ea Okfur yk nh vks okkudk@fu.kz drik/ka ds , d I 'kDr I k/ku miyC/k dj; kA th-vkbZ, I - ykr vks I e; cHkoh rjhdsI svUrjky vks I e; I hek c' ukadk



o'kz ou vuq dku I hFku] tkjgV eaH&I puk iz, ks'kkyk

I ek/ku miyC/k djuseal {ke gA bl {ks= dsfo'kky ou vkMk vk/kkj dsI tu] ifjpyu , oal exzcU/ku ea th-vkbZ, I - ds egRo vks mi ; ksxrk dks / ; ku ea j [krsq orZku ifj ; kst uk dks I fr vks fu"iknr fd ; k x ; kA ifj ; kst uk dks I QyrkiwZ I jk fd ; k x ; k vks vk/kud gMbz j] I kVos j] vkMk , oa n{k ekuo'kDr I fgr I Hk vk/kjHkr I fpo/kkvkadsI kFk o'kz ou vuq U/ku I hFku] tkjgV ifj I ea, d I d FTtr H&I puk c; ks'kkyk dh LFkkuuk dh xBA Hkjr; I o{k.k foHkx mUkj&iwZ fdz] f'kyak I s1%0 ds vks 1%25 ds Ldsy ds Hkjr; I o{k.k foHkx dh 450 Vks kskfQd 'khvackr dh xBA I Hk dksfMftVy Qke/ eaHk.Mkjr , oah&I UnHkZ fd ; k x ; kA Hkjr; ou I o{k.k] nsjknw I sckr oukoj.k ekufp= dks i qjcf{kr vks gkbjfyd fd ; k x ; kA enk fdLek enk&{kj.k] Hk&vkdfrd] Hkksedh vks d'k&ikjifLFkrdh ekufp=ka dk H&I UnHkZ j.k vks vadh; dj.k fd ; k x ; kA miyC/k Hkjr; I o{k.k foHkx Vks kskfQd I s vkjfk ou dk vadh; dj.k ijk fd ; k x ; kA I Ei wZ mUkj&iwZ Hkjr ds #i ea I Hk miyC/k mi ; kst u , oa Vks kskfQd foDVj ys I Z dh gkbj fyadk ijh dh xBA

ts tykRi kj.k ds fy, mi ; Dr o{k ctkfr ; kadh i gpu

csk.k dokadk mi ; ks djdsHkexr ty Lrj eackjx deM , fj ; kj tcyij dsyIV cd dsky ds I kFk&I kFk jksir , ds'k ; k fuykVdk] , fycft ; k ckd jk] MScftZ k fl LI j ; dsyIVI gkbfcM/ ikase ; k filukVv vks vefusy ; k vtuk I fgr I kr o{k ctkfr ; kads cHko dk csk.k fd ; kA ctkfr ; ka



m".kdfVadh; ou vuq U/ku I hFku ifj I ea fd ; k x ; k ykbl heVd I jh{k.k



Qkjfx dekm ,fj; kj tcyij dh clā fdukjs
ugj ds l kfk&l kfk jsi .k

dhof) vls tdek=k ij ty Lrj dsçHko l kfk gh l kfk
ty Lrj ij o{k çtkfr; ka dsçHko dsçç.k.k dsfy,
ykbftesVd Vdkæavu#fir ç; kx fd, x, A

vjkoyh jatka ea vi okg {kfr; ka ds fu; æ . k
ea ty l p; u l k/kuka dh {kerk vksj
vFKD; oLFkk rFkk tdek=k mRi kndrk
c<kuk

ckd okMk eafuEuhdr i gkMk {ks=kaeafofHku o'kz
ty l p; u rduhdka½dvij [kkb; kx xMksuh] ckD l [kkb
vksj oh&fMp½dksviukus l s{ks= eatfofo/krk ea l dkkj
gqk gā çk; kx d Hk[k.Mkaea?kk l 'kkd çtkfr dh l ā; k
eaof) gpbZgsvksj 2005] 2006] 2007 vksj 2008 eaØe'k%
39] 75] 81 vksj 81 çtkfr dh rgyuk eavDVurj 2009 ea
92 çtkfr; ka vfhfyf[kr dh xBA çtkfr; ka dh l ā; k
10&20% <ky fuEure ¼-99m⁻²½Fkh vksj of/kz uhpsdh
vksj <10% <ky eampPre ¼-22m⁻²½FkhA 'kkd inkFZ
mRiknu <10% ea 246-82gm⁻² l s>20% Nky ea 355-
86gm⁻² FkA mi pkjkae] fu; æ . k Hk[k.Mkaea 272-81gm⁻²
dh rgyuk ds oh&fMp ea 336-9981gm⁻² dk 'kkd inkFZ
mRiknu FkA l ā{.k.k vksj ouhdj.k ds ifj.kke Lo#i]
{ks= eaty] pkj vksj bāku dk"B mi yC/krk eaof) gpbA

2-1-4 tfofo/krk

tfofo/krk eW; ka du vksj l ā{.k.k

fo'o ea l kroka l cl scMk nsk vksj ,f'k; k dk
nl jk l cl scMk jkV^a gksusdsukrsHkjr fo'o eackjgoh
l cl scMk vFKD; oLFkk ds#i eamHkj gā Hkjr dh l nk
c<rh vFKD; oLFkk vksj l dYi uk 2020 çkdfrd l ā k/kuka
fo'kksdj 'ksc cpsou ikjra=kaeçR; {k #i l svfØe.k
djsxh tks fuf'pr #i l sfpurk dk fo'k; gā egk

tfofo/krk nsk gksusdsukrsHkjr eaou vuslkai kfjra=
l sk,ami yC/k djkrsgq vge Hkiedk vnk djrsgs tks
vkfFKD l UnHZeavf/kdrj çfgl kc gā

½d½ i whzgeky;

Åijh vle {ks= ds ikni l ā k/kuka dk
ek=kRed eW; ka du vksj fxM vk/kkfjr
ekufp=.k

Hkjr dk i whzgeky; {ks= fo'o eatfofo/krk
ds i Pphl gkVLiMkaeals, d gā bl {ks= ea vksk/kh;
egRo dh vksj vU; Fkk vkfFKD #i l segRo i wZ ikni ka
l fgr ikni kadh yxHkx l kr gtkj çtkfr; ka gā Åijh
vle {ks= ds ikni l ā k/kuka dk xqkRed eW; ka du vksj
fxM vk/kkfjr ekufp=.k 'kx fd; k x; ka fofHku uewk
fxMka l sl efl/kr 131 cV VRUI DV ¼yxHkx 6-5 fd-eh x
6-5 fd-eh vdkj½dk l o{k.k vksj uewsysusdk dke
ijk fd; k x; ka tkjgkV fMca<f> xks/k?kV] y[kheij
vksj fl ckl kxj ftyal sl sifyak fxMkadk p; u fd; k
x; ka rnuq kj ikni uewka ¼ axgky; rš kj djus ds
fy, ½dk l axg.k] çR; d cV VRUI DV eavksj bl dspjka
vksj l Hk mi yC/k ikni kadh Qks/kçkQh dh xBA fofgr
QkæV ds vuq kj ?kj kj ÅpkbZ _rçfodh vkfn ds
l Ecl/k eaHk l puk , d= dh xBA l Hk cV VRUI DV ds
'kx okrh fcluh] e/; fcluhvksj vflre fcluhqds th-i-h, l-
LFkku dksuk/ fd; k x; ka l siy {ks= dso{k] >Mk vksj
'kkd çtkfr; ka ds l Ecl/k ea l puk dks çyf[kr fd; ka
mi; Ør çfØ; k dks viukdj djhc 309 uewka dk
l axgky; rš kj fd; ka rnuq kj th-vkbZ, l- vRkMk
vk/kkj dk mPphdj .k fd; k x; ka

Tki kj vkj f{kr ou dh ikni fofo/krk

Tki kj vkj f{kr ou ea l ā{.k.k ds fy, ikni
fofo/krk xfrdh ds eW; ka du ij v/; ; u fd; k x; ka
m".kdfVcah; vknZ l nkgfjr ikjra= ds ikni h l ā kst u
vksj o{kka ds i q tZu Lrj dk eW; ka du fd; k x; k vksj
Lo&LFkkus, d uewk Hk[k.M ¼ gDV s/ rš kj fd; k x; ka
o{kka >kM+ kavksj 'kkdka ds fy, nks LFkkukagr quew k Hk
fy; k x; ka v/; ; u LFky l so{kka ds çkdfrd i q tZu
Lrj ij vqdMshh, d= fd, x, A



I Qyrk dh dgkuh

ikni &fofo/krk ds I j {k.k ij xkeh. kka dh Hkfedk

tkjgkv ftyk] vle ea xkeh.ka }kjk [k.M ouLifr ds ikni I a k/kuka, oabl ds fofHku mi ; kxka dk cy{ki ksk.k fd ; k x; kA I Ei wZ ftys ea p; fur 24 v/ ; ; u LFkyka ea iknika dh fofHku ctkfr; ka ds ctkfr LFku , oa ikfj LFkr dh dk v/ ; ; u fd ; k x; kA ikni &fofo/krk ds I j {k.k ij xkeh.ka dh Hkfedk vls fuHkr dks le>us ds fy, p; fur [k.M ouLifr ds I ehi xkoka ea I kelftd vkfkd I o{k.k fd ; k x; kA xkeh.ka }kjk c; Dr iknika dks djhc 230 ctkfr; ka dks vfHkyf [kr fd ; k x; k] ft I ea cdk'B] bku dkr'B] [kk] vls vj pkjk vls j ske dhV ds fy, I Hkj d ikni vls dN vU; xkSk mi ; kx 'kfey ga v/ ; ; u {s= ea vfHkyf [kr egroi wZ cdk'B mRiknd o{k ga VfeLufy; k ekbfj; k dki kZ vkVdk i i pkek] fepfy; k ekvVku] dL Vskf I I vkekZ k] I h- Vhbcy kMI] LVhfj vki i ee phyk kMI] ehl w k Qhjh; k vls fLdek okfyptA esdyl cdkhfl uk] fyVI h; k ekvki hVkyk] fyVI h; k D; wick vls ghVhjsi uDI YxjBI tS h dN ctkfr; kaj ske dhV ikyu ds fy, I Hkj d ikni ds # i ea xkeh.ka }kjk c; Dr dh tk jgh ga unhrV {s=ka ds I ehi ds [k.Mka ea dskel Vhubl vls fdyuksthuh MkbVkek ds I kfk & I kfk yxjLVke; k Li hfl vki k] fcLdksQ; k tkolfudkj cEcdI I hck vls cfjxVksu; k , dhvayk dh c/murk ga vfHkyf [kr dN vU; vkfkd iknika ea ga , fDoyfj; k , xkykpk] dsufj; e jfl fuQhje] I fyDI VvRLi ekZ fydw yk i sVkvk vls fyfoLVksk tdufl ; kuk vkfna [k.Mka ea miy/k fofHku [kk] Qy nsokys ikni] xfl i u; k ctkfr vls I ht hft; e ctkfr] fMyhfu; k bfUMdk vls Ohl kQkbye ybl hvks/e] cdjih; k I kfi Mk] QydkvZ k takel vls bybxul dks/kv] dh vusl ctkfr; kaga bu [k.M ouLifr; kadsfbrgkl dh tlp dh xbz vls ; g ik; k x; k fd dfr] j ske mRiknu] pk; [ksh tS h dN vU; Hke mi ; kx i) fr; kadsfoLrkj vls xlp {s=ka dsfoLrkj ds dkj.k [k.M ouLifr {s= Rofjr nj ij ?kv jsga

vle ea car ctkfr fofo/krk

vle ds fngax & irdkbz ou; tho vH; kj.;] fMcael [kksk tbe.My fjtoZ fxccku ou; tho vH; kj.;] dkftjack jk"Vh; ikdZ dkcZ, axyak ou; tho vH; kj.;] uEckj & Mkojx ou; tho vH; kj.; vls y [kheij ds ikkk vkjf {kr ou vls /khekthftys ds ikk vkjf {kr ou ea car ctkfr dh [kst dh xBA car dkcZ, axyak ou; tho vH; kj.;] uEckl & uEckj & Mkojx ou; tho vH; kj.;] fngax & irdkbz ou; tho vH; kj.;] dkftjack jk"Vh; ikdZ ea xP Nskj i kksv/ ea ik, tkrsga tcd fxccku ou; tho vH; kj.;] fMcael [kksk tbe.My fjtoZ ea ctkfr LFku ea car xfe fNrk, gq feyrs ga igpku dh xbz rjg car ctkfr; kqFh & dkel Vhubl] I h- QydkvZ] I h- QydkvZ] I h- x#ck] I h- yfVQky;] I h- uEckj hbfuI] I h- [kfi , ul] I h- fdix, ul] I h- xfl fyl] I h- bjhDVI] I h- yhlVki sMDI] Mhekukj kst t h d fuI ; kuk vls I sykdk I hdMMk dkcZ, axyak ou; tho vH; kj.; ea mPpre ctkfr fofo/krk gfl y dh xbz tglal s12 car ctkfr; k I fpr dh xBA 289-8 ± 5-2 , dy@gDV s j ds dty i q tzu ds I kfk dkftjack jk"Vh; ikdZ ea car dk mPpre ?kuRo 1532-3 ± 12-0 , dy@gDV s j 1/2 ik; k x; kA v/ ; ; u LFkyka I s I Hh car ctkfr; ka ds co/; ka dks , d= fd ; k x; k vls okuLifrd m | ku] o"kkZou vud Vku I h Fku] tkjgkv ea c'n 'ku Hk [k.M ea I jf {kr vls LFkfr fd , x,A

dkftjack jk"Vh; ikd ea vkFkdVhjk dh tsofofo/krk dk v/ ; ; u

dkftjack jk"Vh; ikdZ ea vkFkdVhjk ds tsofofo/krk v/ ; ; u us fofHku vkokl ka mnkgj.k & dkftjack jk"Vh; ikdZ dh ou Hke; k I okuk vls ?kkl Hke; kaea 30 oak vls 4 ifjokjal s I afu/kr fVMMka dh dy 36 ctkfr; ka dks mn?kfv fd; kA , OhMMk dk I cl s T; knk ctkfr cfruf/kRo 149 ctkfr; k 1/2 Fk]



bl dsckn VfrVxkbuMk 1/9 ५ tckfr; k/2 dck Fkk tcf d U; wre ५ frufuf/kRo dcy 3 ५ tckfr; kadsl kfk xbfyMk ifjokj dk FkA dktjak jk'Vh; ikdZ dh ?kkl Hkie; ka us T; knk I ५; k ea vkFkkzVhjk ५ tckfr; ka 1/21 ५ tckfr; k/2 dsvkU; fn; k] bl dsckn I okuk vks ou Hkie; ka 1/9 ५ tckfr; k/2 dk jgkA bl dsvykok] vkFkkzVhjk ५ tckfr; kadh vkcknh vLFkjr usmYys[kuh; fofHkur dksn'Wz k] tksn'kZ ds ekS e ij fuHk] gsvks ५ tckfr fof/krk tuojh&vcSy ea fuEure Fkh tcf d tykb&vxLr eavf/kdre FkA

ukEckj vkj{kr ou dh ikni fof/krk

ukEckj vkj{kr ou ea DokMV fof/k }kjk , d ikni&l keft dh; v/; ; u fd; k x; k vks ५ r; d LFku ea1 gDVsj LFkfir fd; k x; kA FN; kuos ५ tckfr; ka ds fy, ckjEckjrk] ?kuRo] vk/kfjr {ks= tS s fofHku ikjflFkr dh; i] kehVjka ij vkMVs, d= fd, A l hekar xkpa ea l keft d&vkfkd l o[k.k fd; k x; k vks dke yekBh , oaf'kykuhtku {ks=kaeacktkj l o[k.k fd; k x; kA

1/4 [k/2 i f' peh fgeky;

ftyk pEck] fgeky ५ nsk ds dkykVw [kft; kj ou; tho vH; kj.; ea iknih fof/krk dk ikjflFkr dh; eW; kadu mlurk'kh; ५ o.krkvka dsgr dkykVw [kft; kj ou; tho vH; kj.; dsfy, ouLifr dk ikni&l keft dh; fo'ysk.k fd; k x; kA nkudqM l s T; kr ea fi l h; k fLefFk; kuk] focjue b#chl bl vks cthru; k fl fy, Vk dh ५/kuurk ds l kfk ikni ५ tckfr; kadh dcy l ५; k 70 FkA nkudqM l s, yk ea fi l h; k fLefFk; kuk] l kdkdkdk l kfyXuk] focjue b#chl bl vks osyhfj; kuk tVkekd h dh ५/kuurk ds l kfk ikni ५ tckfr; kadh dcy l ५; k 94 FkA ekVwh l s ddkyk ea ikni ५ tckfr; kadh dcy l ५; k 106 Fkh vks fi l h; k fLefFk; kuk] l kdkdkdk l kfyXuk vks osyhfj; kuk tVkekd h ५/ku ५ tckfr; ka FkA enjukh l s [kft; kj ea ikni ५ tckfr; kadh dcy l ५; k 103 Fkh vks i l h; k MfFkvkb] fi l h; k fLefFk; kuk] l kdkdkdk l kfyXuk vks osyhfj; kuk tVkekd h ५/ku ५ tckfr; k

FkA nkudqM l s [kMxk] ea ikni ५ tckfr; kadh dcy l ५; k 108 Fkh vks l hM9 nonkj] fi l h; k] l kdkdkdk l kfyXuk] l kscfj; k VkeuVkd k vks #eDI uskyul l ५/ku ५ tckfr; k FkA dkykVw l s ddkyk {ks= ea ikni ५ tckfr; kadh dcy l ५; k 97 Fkh vks l hM9 nonkj] l kdkdkdk l kfyXuk] #eDI uskyul l vks osyhfj; kuk tVkekd h ५/ku ५ tckfr; k FkA dkykVw l s rykbZ {ks= ea ikni ५ tckfr; kadh dcy l ५; k 115 Fkh vks l hM9 nonkj] l kdkdkdk l kfyXuk] cthru; k fl fy, Vk vks fi yh; k fLØIVk ५/ku ५ tckfr; k FkA [kft; kj l siksy ea ikni ५ tckfr; kadh dcy l ५; k 129 Fkh vks ikbul jkM l c?kkb] DosZ k Y; wks/kbdkQsk] #cl fuoh; l] jk/kk/BN/ku vkckjh; e] , ukQsyl VRbflyufoZ ५/ku ५ tckfr FkA xS l s T; kr ea ikni ५ tckfr dh dcy l ५; k 107 Fkh vks DosZ k Y; wks/kbdkQsk] fi l h; k fLefFk; kuk] cckj] , fjLVkV] focjue b#chl bl] #eDI uskyul l vks , ukQsyl VRbflyufoZ ५/ku ५ tckfr; k FkA ydMe.Mh l s [kft; kj ea ikni ५ tckfr; kadh dcy l ५; k 103 Fkh vks



fMftVsy l i i jh; k



dsyBFkh VRbdfjukV



[kft; kj >hy dk n';



I hM¹ n^onkj] I k^ofj; k V^keuV^k k v^ksy
o^syhj; kuk tV^kekd h c/kku c^tkr; k; FkA c^tkr; ka
dh vf/kdre I ; k [k^t; kj I s i^ksy ea v^fh^kfyf[kr
1/429 1/2 dh xb] bl dsckn dkyV^kW I srykbZ 1/4 15 1/2 v^ksy
nkudqM I s [k^oMxk^v 1/4 08 1/2 jgA 8 xkpa ea ekuo
okuLifrd v/; ; u fd; k x; k v^ksy fofHku mi; kskads
fy, c; p^r 40 ikni c^tkr; kads^cy^s[kr fd; k x; kA
{ks-ka I s v^fh^kfyf[kr I dVLFk ikni c^tkr; k; FkA
i k^oMkQkbye g^oDI k^oM^e] V^oDI I okfyf; kuk]
t^oBFk^oDI hye vkfe^o/e v^ksy fl Uueke rekyk A

gfel mPp A^opkbz jk^oVh; ikd] yn^onk[k]
t^oEewo d'ehj ea ikni h fof^o/krk dk , d
i kfj^oLFk^ordh; eW; ka^o

gfel mPp A^opkbz jk^oVh; ikd] dks #Ecd
?k^oVh eai kfj^oLFk^ordh; , oaxh^odj. kRed v/; ; u fd; k
x; kA foLr^o v/; ; u dsfy, fofHku fclnqme#RI s
1/4200 eh-1/2 xUMk yk 1/5100 eh-1/2 LVkcl yk 1/5000 eh-1/2
eU^o dkjekg 1/4800 eh-1/2 plax 1/4300 eh-1/2 v^ksy LVkcl
1/3900 eh-1/2 v^kfn FkA ikdZdsLi r^o] ekV^o h^oka] ek^oM^o
v^ksy gfel I s Hk ikni h I xg. k fd; k x; kA fofHku
mPp A^opkbz d^oi LFkyka ; Fk^o&fp^oya^o 1/3800 eh-1/2



v/kkly mPp A^opkbz jk^oVh; ikd] yn^onk[k] t^oEewo d'ehj
ea ikni fof^o/krk dk I o^ok.k



okY/hfe; k Xyst



Fk^oDI I c^ocl/k

dk; k 1/3700 eh-1/2 LD; w 1/3800 eh-1/2 ekj [k 1/4000 eh-1/2
f'kaks 1/4200 eh-1/2 v^ksy pyd 1/3600 eh-1/2 v^kfn ij {ks- dh
ekj [k ?k^oVh ea xgk^oz I s ikf^oLFk^ordh; , oa
oxh^odj. kRed v/; ; u fd; k x; kA I xgky; dsfy,
foy{k. k uewsd^okn^o h I xg. k fd, x, A xk^o dsc^oq^okl
xkbMka v^ksy vkfpl ds I k^oFk v^ksy pkfjd
ppk^o@fopkj&foe'kz ds }kj^o ekuo&okuLifrd I p^ouk
, d= dh xbA

fgekpy c^ons^o k ds fofHku 'kad^o{k ouka ea
uk^oDV^oM 'kyHka 1/4y^ofi MksV^ojk % ukDV^oMk^o1/2
dk oxh^odj] t^ofofo/krk v^ksy vkokl I dU/k

eyku] I jh?k^oV] Vkm^oHkj^oh] Fk^ovks] f'keyk]
>>syh] [k^ot; kj ukdZM^o vDI k] Hk^ojekj] euky^oh] iV^oVu
?k^oVh v^ksy vl jks I s 'kyHk 1/4y^ofi MksV^ojk 1/2 uews, d=
fd, A bu c^tkr; ka }kj^o ij i^oskh 1/2 d^oy p; fur 'kad^o{k
, oa I Ec) ouLifr^o1/2 dks ig^opk^oz xbZ {kr dks Hk
v^fh^kfyf[kr fd; k x; kA I d^oLFk/kr ij i^osk^o; kads^ouk^oDV^oM
c^tkr; kadsuk'k^otho Lrj dks dks B^okaefn; k x; k g^os
mnkj. k^oFk&V^odk^osy^ofi ; k v^oklj d^oY^o h; k Q^osc^ol ; I
1/2c^og^okl{kh} n^onkj ouka dh 'k^ocl^o1/2 , x^osv^o I h^oth^ove
1/2n^onkj rFk^o vl; 'kad^o{ka ds dVoke] c^og^okl{kh}
Li k^oMkV^oh^ok fyV^ojk Q^osc^ol ; I 1/2c^og^okl{kh} Li k^oMkV^oh^o
fl fy; e] x^obuh 1/2c^og^okl{kh} lyh^odk^oV^oh^ok jhQy^oDI k]
x^obuh 1/2p^oM+ i^okbu {ks- ea M^osc^oft^oz k fl LI wds^oce^oq^o
uk'k^otho 1/2

pk^ong v/; ; u LFkyka dk p; u fd; k x; k v^ksy
bu LFkyka sy^ofi MksV^ojk ds 2740 uew^okdks, d= fd; kA
buea I s 663 uk^oDV^oM Fks v^ksy d^oy 66 c^tkr; ka dh
ig^opk^o dh xbA rhu LFkyka I s 'k^ocl] > k^oMh v^ksy o^o{ka ij
v^oklM^o v^fh^kfyf[kr fd, A i^oBr^ofy^ol ig^opk^o dh xbZ
c^tkr; kads i^oq^o k f'kj^of^ou; kl v^ksy tuulak dk fo^oj. k
i^ojk fd; k x; kA uk^oDV^oM 'kyHka ds vkokl kads I e>us
dsfy, 3 LFkyka ds ikni t^ofofo/krk ij v^ot rd ds
v^oklM^o kads fo'y^okr fd; k x; k v^ksy euky^oh ds Q^oj v^ksy
L^oQ^o ou ds ikni t^ofofo/krk v^oklM^o us n'k^oz; k fd



fp= 3 , 1s3 , p oak Øhl kmhfdl l dh iztkfr; ka

fil h; k fLeFk; kuk bl ds ckn , fct fiUMks dh
 ç/kkurk dsl kFk o{k çtkfr; ka dh l æ; k 8 FkA çjçfj l
 vkfjLVkVv bl ds ckn #cl fuoh; l dksç/kkurk ds
 l kFk >kmhæ çtkfr dh l æ; k 14 FkA , ukQsfyl
 Vkbfyuhfo l bl ds ckn Ýxçj; k bfUMdk dh
 ç/kkurk dsl l kFk 'kkd çtkfr; ka dh l æ; k 55 FkA o{k
 >kmhæ vçj 'kkd çtkfr; ka dsfy, ç/kkurk dh rkfydk
 ¼ h eku½ 0-328] 0-099 vçj 0-035 FkA tçfd fofokrk
 rkfydk ¼ p½ Øe'k% 1-408] 2-458 vçj 3-630 FkA ; g
 fu"d"l fudkyk x; k fd vf/kdkak ikni çtkfr; ka dk
 forj.k fudVLFk FkA nll jsLFky mnkgj.k&euyh dk
 nonkj ou ea l hM¹ nonkj bl ds ckn ikbul
 çkyfp; kuk dh ç/kkurk dsl kFk o{k çtkfr; ka dh l æ; k
 2 FkA l kdkkdk l kfyXuk bl ds ckn l hM¹
 nonkj k cky o{k ka dh ç/kkurk dsl kFk >kmhæ çtkfr; ka dh
 l æ; k 17 FkA #eDl uskyfll l bl ds ckn
 thjkfMZ kuk Mkbofi Qkfy; k dh ç/kkurk dsl kFk
 'kkd çtkfr; ka dh l æ; k 52 FkA o{k] >kmhæ vçj 'kkd
 çtkfr; ka dsfy, ç/kkurk dh rkfydk ¼ h eku½ 0-927]
 0-120 vçj 0-041 FkA tçfd fofokrk rkfydk ¼ p½
 Øe'k% 0-161] 2-422 vçj 3-457 FkA vf/kdkak ikni
 çtkfr; ka dk forj.k bl {k= eahh fudVLFk FkA igpku
 ds ckn çtkfr ds fy, miyçk l kfgR; dks nçkdj
 ij i ksh ikni dksHh l çuf' pr fd; k tk, xkA

'khr jfxLrkuka dh çedk çtkfr; ka
 ¼ dç fj l fLi ukd k] fjchl vçj, UVsy]
 dç kxkek thjkfMZ; kuk] dkiyih; k
 uhi syfll l] Øvxl l kçfjdk] bybxul
 vçfLVQkfy; k] fgli kQh jçuklMI
 vçj jkd k ohc; kuk½ dk ikfjLFkfrdh;
 v/; ; u

fgekpy çns k dsx; jvçkç ekuç ykMkç] dçjFk]
 gjfyak ea vçj flifr ?kvh ea vkus okys l ençj eç
 ykçjç ?kvh eafll l l jxkkyk vçj mn; ij rFk fduçjç
 ftyseafLi yç ij vçj [kk eaçtkfr igpku dsfy,
 foLrr ikfjLFkfrdh; v/; ; u fd, x, A



dkiyih; k uskyfll l



dyela }kç Øvxl l kçfjdk



çhtla }kç Øvxl l kçfjdk



fohku iztkfr; ka dk {k= jki .k



fjchl vçj, UVsy



1/2 e/; Hkkjr

Lkky vks I kxksu bZks/ksu {ks= ea ikni fofo/krk

nks bZks/ksu LFkyka txnyij NÜkhl x<½ ea , d vksj nlljk mekfj; k ½-ç-½ e/ dk v/; ; u fd; k

x; kA bZks/ksu ds l ehi I ky vksj I kxksu ou dh ç/kkurk okys nks LFkyka dk rgyukRed v/; ; u Hh fd; k x; kA nksuka v/; ; u LFkyka ds I ky vksj I kxksu dh vi\$kk bZks/ksu tksu eavi\$kkdr T; knk o{[k



bZks/ksu {ks= txnyij NÜkhl x<+ea vhd o{[k

>NÜh vksj 'kkdka dh I ç; k ikbZxbA vkkdMkousn'kkz; k fd I kxksu ou dh I rgh enk çdfr eamnl hu ¼-0½ I sgydh {kkjh; Fkh tcf d I ky ou eanek vEyh; ½-5½ FkA bZks/ksu {ks= dh enk dh ih, p- I kxksu vksj I ky oukadschp ¼-2½ ea ikbZxbA dkcZud dkcZu çfr'kr bZks/ksu vksj I ky ou ea yxHx I eku ¼-12%½ Fkh] tcf d I kxksu ou e/ eku vi\$kkdr fuEu ¼-65%½ FkA nksuka bZks/ksu LFkyka ea fuEu funkd çtkfr; ka ikbZ xb% MYcftZ k yfVOkfy; k] fyVI h; k Xynvkd k] vfeZufy; k phcnvkl] LVj dfr; k ; jbl vksj gksy jghuk , fUVMkbZ fUVdk o{[k çtkfr; k] 'kkd vksj i ksk volFkk ea fyVI h; k Xynvkd k >NÜh vksj Mk; k; i kbj kst ehy; k d I hyk d ikni I kelftdh; v/; ; u usn'kkz; k fd bZks/ksu LFky ea o{[k >kfM; ka vksj 'kkdka dh fofo/krk mPp FkA rFkfi] fo'kd I ky , oal kxksu ou ea ; gh vi\$kkdr fuEu vfhkryf[kr fd; k x; kA

o{[k çtkfr; k e/ vDVkxk xBMM nksuka LFkyka ds bZks/ksu {ks= eamPpre ivi okyk vksj ç/kku ik; k x; kA



bZks/ksu {ks= mefj; k] e/; insk ea I ky vksj I kxksu o{[k

ckyo{k volFkk ea 'kkjh; k jkkk Vk txnyij eaç/kku ik; k x; k vksj mekfj; k LFky ea dfl ; k Vksj mPpre ivi okyk ik; k x; kA nksuka LFkka %ou ds Hkhrj vksj ckj½ ea I keld; r%1 fM-I s dk rkieku vlrj ns[kk x; kA bZks/ksu vksj I kxksu ou uscgq de foHkUrk fn[kkbZfdUrqrkieku I ky ou dh vi\$kk çR; {k #i I s mPp FkA I ky ou dk rkieku %ou ds Hkhrj½ vi\$kkdr fuEu vfhkryf[kr fd; k x; kA

nks LFkyka ds I ky çHkoh {ks= ea vknZk çfr'krk vi\$kkdr mPp Fkh tcf d nksuka LFkyka ds I kxksu çHkoh {ks= ea eku vi\$kkdr de FkA bZks/ksu tksu ea eku chp ea ik, x, A I eiknih v/; ; u us mnZkVr fd; k fd txnyij , oamekfj; k LFky ds bZks/ksu tksu eadodh vkcknh fo'kd I ky vksj I kxksu oukadh vkcknh I svi\$kkdr T; knk FkA

vpudekj & vej d d thoe. My fj toZ

vpudekj & vej d d thoe. My fj toZ ds I Hh rhu {ks= kadsouLifr Lrj] ouLifr] çkf.ktkr dh çtkfr; k] I dVLFk çtkfr; ka dh I ç; k vksj ekuo vkcknh ij vk dMk dk çy[k i ksk. k fd; k x; k vksj fo|eku I puk dk v | ru fd; kA ouLifr dh I ph ea 'kkfey g&vkorçht; ka dh IIII çtkfr; k] 16 vukorçht] 40 vsjMkQkbV] 16 çk; kQkbV] 130 yk bdsu] 178 dodh vksj , Yxh dh 7 çtkfr; kA çkf.ktkr dh I ph ea 'kkfey g& Lruik; h dh 27 çtkfr; k] 142 i {kx. k] 15 Nhidyh vksj I k] 10 mHk; pj] 16 eh] 27 Hkx d o >h xj] 85 frfy; ka vksj 'kye vksj du&[ktjka 5 çtkfr; kA xj çdk'B oumRi knkads I o{[k. k I s xlp cktkj 0; ki kj ea yxHx 39 çtkfr; k; kdk i rk pykA ckb, uyy ck; kQs j fj toZ buQkjesku I hjht ½ch-vkj-vkbZ, I ½oKy; w1 ¼ o 2½ dk çdk'ku fd; k vksj oSkfudka, oach- vkj- çclvkd kads chp ifjpkfyr fd; kA eBMM dk; Z ; kst uk ds rgr I hosy LVShth }kj k çLrkfor , d ç' ukoyh r\$ kj dh xbA ck; kQs j fj toZ ds fo'o uVodZ ea ukadu ds fy, vpudekj & vej d d thoe. My fj toZ ij , d



iwlz nLrkost r\$ kj fd; k vls NÜhl x<+ds jkT; ou foHkx dksLrnf fd; kA

o"KZ 2009&2010 ds nlsku MKYek ou; tho vH; kj.; ea p; fur çtkfr; ka ea vk/kj jçkk vkkMk l ftr djusdsfy, ouLifr l jupuk dh ikfjLFkfrdh; xfrdh vls vdkfjdh; vuqnyh foHkUurk dk eW; kadu fd; k x; kA l p; h Hkfr d mi yfC/k; kafuEukuq kj g%

- pkjk jatk dks 'krfey djds vH; kj.; ea dty 16 uewk Hkfr k.M r\$ kj fd, x, A
- ikin uews ,d= fd, vls l xgky; r\$ kj fd; kA
- vc rd 66 iknika dh igpku dh xbz vls çekf.kr fd; kA
- Nky vls iÜkh ikkd vkdyu grq esyktv/ fQfyi fUI l tS sgkFkh [kk | dh dN çtkfr; ka ,d= dh xBA

¼?k½ nf{k.k Hkkj r

m".kdfVcu/kh; l nkgfjr ou ea l jupuk] fofo/krk vls vadg .k l ay{k.k i fj .kke %LFkk; h i fjj {k.k Hkfr k.Mka dk mi ; kx djds dukd/d ds i f' peh ?kkVka l s, d ds v/; ; uA

1937&2008 rd i f' peh ?kkV] dukd/d ds m".kdfVcu/kh; vknZ l nkgfjr ouka ds nf{k.k] e/; vls mükj Hkx eavkusokysokys3 LFkykaea i k; k & ekdWk] epykMdk vls esyheks ea LFkk; h i fjj {k.k Hkfr k.Mka ds ,df=r vkkMk adk okuLifrd fo'ysk.k i jk fd; k x; kA fofo/krk rkfydk] l ekurk rkfydk] vkcknh l jupuk tS s i skehVjka dh tkp dh xBA pkj iqtZu Jskh oxkads vuq kj LFkk; h i fjj {k.k Hkfr k.Mka dk çrfuf/Rro djus okys bu ou fdLeka ds iqtZu #>kuka dh x.kuk dh xBA ekdWk vls esyheks ea ç/kku çtkfr; ka ea fdixvk/MBMku fi us/e ea1-49 l seh- dh vf/kdre ,e- , -vkbz Fkh] bl ds ckn okbVdI , fYVfI ek ea 1-39 l seh- vls fMIVhjkcdki l bfUMdI ea1-32 l seh- Fkh] tcfD U; wire ,e- , -vkbz ueh , VhuwV 10-48 l seh-½ eaFkA iqtZu oxZiv eal eL; k Fkh tgkaesyheks dh viçkk fo'kskdj ekdWk eaekuoknHkoh nckoka ds dkj.k i kks LFkfr gksusea vl Qy jgA ekdWk vls esyheks

nkskseALFkfrud , oavkj-bZVh çtkfr; kadsekeyseahk ; gh #>ku nçkk x; kA

ekdWk] i f' peh ?kkVka ea mnHkoh o"kkZ ou N=ka eadhVka }kj k cht mRi hMu

ekdWk] i f' peh ?kkVka ea o"kkZ ou N=ka eadhV fuxZu vls cht i jHk{kh dh l hek vfHkfyf [kr dh xBA fMIVhjkcdki l bfUMdI ds fy, {ks= , oa ç; kx'kkyk vadg .k v/; ; u fd, A ekul w i wZ vof/k ds nlsku uewk ysis ds dk;Z ea cgq de çtkfr; ka ueh , Vhuw Vk vls fMIVhjkcdki l bfUMdI l scht dk mRi knu gqkA gkykd ueh eadhVka }kj fuEu mRi hMu ¼-5% ½ Fkh] fMIVhjkcdki l ds l Hk cht dhVka }kj {krxZr fd, x, A os/hfj; k bfUMdk dk cht i jHk{k i ; klr Fk tcfD tw 2009 ds nlsku ueh , Vhuw Vk] ekbfjLVdk çtkfr vls fMIVhjkcdki l bfUMdI ea fuEu FkA tuojh l sekl 2009 ds nlsku cht ikru vR; fkd detkj Fk vls cht ka l skbzHk dhV fuxZu ughavfHkfyf [kr fd; k x; kA

i j & LFkkus l j {k.k mi Øe

- çtkfr l p h r\$ kj djuk vls fnYyh mükj k [k.M ,oa mükj çnsk dh l dVLFk çtkfr; ka dk ek=krEd eW; kaduA fnYyh ea cka okVdk dh LFkku ka
- MBMkdsye l fLVdVI {ks= tuun0; cbl dk i j & LFkkus l j {k.k ou vuq U/kku l bFku i f j ea LFkfr fd; k x; kA bl çtkfr dstuun0; eansk ds 16 jkT; kadk çrfuf/Rro gA
- {ks= vuq U/kku LVs ku f [kl j l kks/ha x<oky ea 15 igkMh cka çtkfr dk {ks= tuun0; cbl LFkfr fd; k x; k gA



Ou vuq U/kku l bFku i f j ea MBMkdsye l fLVdVI dk {ks= tuun0; cbl



- jk'Vh; ckd fe'ku fu/kf; r ifj; kstuk dsrgr I hv/h I BVj , Q-vkj-vkbZ ea ckd dh fofHkUk ço/kZu çkSj ksfxd; ka ds çn'kZu vksj xqku ds fy, , d Dyksuh; i kSk' kkyk LFkfr r dh xbA



ckl iztkr vuq U'kku LVSkuj f[kj I r i kSk' x<oky ea telykTe cbl

gekjsvkjf{kr oukaij ncko dksU; nure djus ds fy, m".kdfVcl/kh; mi&m".kdfVcl/kh; vksj 'khrks.k o{k çtkfr; ka dsfy, vk'ktud nskt bZku dk'B , oapkj o{k çtkfr; ka dsxqkoUk jki .k i nkFkZdk mRiknu fd; k x; k vksj bu çed[k çtkfr; ka ds 60]000 I s vf/kd i kSk' vksj tMe) dyeka dk forj.k mUkj[k.M dsmUkjdk'k] #nc; kx vksj nsjknw ftyka dsfd I kukæafd; k x; kA



ouka I sbZkudk'B , oapkjs dk I xg.k

I Qyrk dh dgkuh

ckd ço/kZu çkSj ksfxdh

cht dh vuq yU/krk dsdkj .k jki .k LVkUd mRiknr djusdsfy, ckd dk ço/kZu djuk okfudh d'kdkavksj m| kskadsfy, geSkk , d I eL; k jgh gA ou vuq U'kku I LFkku nsjknw }kj k , dy xflFky fd'kSj çkSj dyeka vksj 'kk[kk dyeka dh ey/kRi fYk djdsckd ka dh fd I kukæsvuqny] fuEu ykxr ço/kZu çkSj ksfxdh fodfl r djusdsfy, , d vPNh I Qyrk gkfl y dh xbZgA bl çkSj ksfxdh dk çkjEHk ea cEcH k oYxSj I fdLej xbu okfeu vksj flV^a, vk dh rhu fdLeka dsfy, ç; kx fd; k x; kA ft I ea 50 çfr'kr I s vf/kd dyeka dks tMe) fd; k x; kA vU; egRo i wkZckd çtkfr; kaç; ksfxd Lrj esgA

ckd ço/kZu çkSj ksfxd



, dy , oaf}cggyd 'kk[kk dyeka dh ey/kRi fYk



cEcH k oYxSj I dh , dy xflFky fd'kSj dyeka dh ey/kRi fYk



dk"B&mudh igpkul xqkka vks mi ; ksk&okV; e&II dk l akksku fd; k x; kA

fons'kt ikbul ctkfr; ka dk ofxZdh , oa dk"B 'kkjhfdh; v/; ; u

fokhu m".kdfVcu/kh; phM+c'tkfr; ka ea vUrj djus ds fy, fons'kt phM+c'tkfr; ka dk ofxZdh , oa dk"B 'kkjhfdh; v/; ; uA

Hkkjrh; dBksj dk"Bka dk cfrnhlr v/; ; u

I Hkh Hkkjrh; dBksj dk"Bka dk mudh igpkul ds mnas; ds fy,] cfrnhlr 0; ogkj v/; ; u djus ds mnas; dsl kfk v/; ; u fd; k x; kA

i kW; gyI MsyVokbMI ckVj- , EI ek'kz ea dk"B 'kkjhfdh; fo'k'kdka dk oa kkupe i kS/uz

vUrjfd vks ijLij&'kk[kk fokhu rka ds fy, vks dk"B fo'k'kdka soa kkupe i S/uz ds c'k.k ds fy, tud 1/4 th 48 vks th 3 1/2 rFk , Q1 vks , Q2 l Urfr; ka dh 60 'kk[kkvka l s l kr l s uems fy, ifj; kstuk dsegROI wZifj. ke bl cdkj g%

- fokhu rka ifj. ke vuq kr tkp 1/4 Q 1/2 usn'kz k fd th3 vks th 48 nksuka Dyksu jsk yEckbZ jsk 0; kl] okfgdk rRo vks vki s{kd ?kuRo ds fy, egROI wZ#i l fHku FkA
- jsk yEckbZ jsk 0; kl] okfgdk rRo yEckbZ vks nhokj eks/kbZ th 3 1/2 j dh vi s'kk th 48 1/2 eamPp FkA
- okfgdk rRo 0; kl vks vki s{kr ?kuRo th 3 1/2 Dyksu 1/2 ds fy, mPp FkA
- ;g n'kz k gSfd enk Dyksu ea cgrj jsk ifjeki gStcfd uj ea cgrj vki s{kr ?kuRo gA
- vki s{kd ?kuRo vks okfgdk rRo ifjeki eTtk l s ifj/k l Fkka rd egROI wZ #i l s fHku FkA

- okfgdk rRo 0; kl vks vki s{kd ?kuRo ds fy, ApkbZ gsrq vUrjfd 'kk[kk fokhu rka egROI wZ FkA

i kW; gyI MsyVokbMI ckVj- , EI ek'kz ds Dyksuka ds dk"B xqk vks of) dk eW; ka duA

foeds l Hfy l fy- }kjk mxkbZ xbZ 50 l Urfr; ka l s uems , d= fd, vks fokhu dk"B fo'k'kdka ds fy, fo'ys'k.k fd; k tk jgk gA

; idfy l VI gkbfcM ds Ard l o/kz i kni ka dk {ks= eW; ka du

; idfy l VI ds nks vk'kktud , Q 1 gkbfcM] , Q- vkj- vkbZ 5 1/4 idfy l VI deYMFyuf l l x ; id s Vj s Vdk l u l 1/2 vks , Q- vkj- vkbZ 14 1/4 id s Vj l Hfy; kuk x ; id s fl fV vka l k j R/2 dks Ard l o/kz }kjk xq. kr fd; k vks {ks= eajki r fd; ka kni N% l ky ds FkA v/; ; u fd; k x; k y {k. kka mnkj. k&LFky ka ds pkj ka vks nksuka gkbfcM ka ds kni ApkbZ l kQ l rEHk yEckbZ 0; kl vks vk; ru] ea egROI wZ fokhu rka FkA , Q- vkj- vkbZ 14 ea [kj dku LFky gk'k; kjig ea o{kkprk ij ApkbZ vks 0; kl vf/kdre Fk tcfd , Q- vkj- vkbZ 5 eagY} kuh LFky ea o{kkprk ij ApkbZ vks 0; kl vf/kdre FkA

2009&2010 ds nks ku okfudh cht cek. kh d j. k , t l h ds dk; Z ij d bhr djrs gq > kj [k. M dh vkfFkd #i l segROI wZ okfudh ctkfr ij cht vkrMk vk/kkj dk l tu fd; k x; kA l p; h Hkrd mi yfC/k; ka bl cdkj g%

- Hkrd vks 'kkjhfdh; v/; ; ukadsfy, 20 l s vf/kd ctkfr; kadscht kack l tuA
- , df=r ctkfr; kadscht kads Hkrd i s kehVj ka 1/4 Fk&cht Hkj] yEckbZ vks pks l kbZ vk; ru] jx] cht @Qy Hkj vkrn 1/2 ij v/; ; uA
- , df=r ctkfr; ka dh ckj fEHkd ueh ek=k vks v d j. k cfr'krrk rFk cht ka dh nj ij v/; ; uA



- ifjoskh ,oa 'khr rkiekuka ds rgr ik=ka dh fofHku fdLekaeacht Hk.Mkj.k ij ç; kxA
- Hk.Mkfjr chtkadh vadj. k{kerk dks 3 ekj] 6 ekj vls] 1 o'kz Hk.Mkj.k ds mi jkkr fo'yf'kr fd; kA

2-1-6 tutkr ,oa ikjEifjd Kku ç.kkyh

vkU/kz çns'k ea i wdz ?kkVka ds mÜkjH Hkkx dk ekuo okuLi frd v/; ; u

vkU/kz çnsk ds Jhdktye] foft; kuxje vls] fo'kkiVVue ftyka ds fy, ekuo okuLifrd #i Is egRoikz ikni çtkfr;ka dks igpku djds I phc) fd; kA

- I æfU/kr {ks=kael okjk] [kkb] tkvki jvdkMkMkj] uwdkMkj] cxxkFk vls] ijtk tutkr;ka Is 180 iknih VDI k ij ekuo okuLifrd vkU/Ms vfHkyf[kr fd, A
- egRoikz vksk/kh; iknika ts &, ykdfi ; k QkUzdkvk ¼kko½ vktzfj; k uokl k ¼QkMk vls] QOkkyk½, fjl hek Vkmzkd e ¼vYI j½ ds ¼ihfu; k ckUM; wd ¼kjhj nn½ djh; k vkckjh; k ¼jSkk½ Dyhj kMGM½ I hj½e ¼vLFk Hkx½ dwdryxs vkfdzkbMI ¼v½ nn½ dwdiek L; Mkekdvkuk ¼ropk jks½ Mk; kt ikbl st ekykcfjd ¼vLFk Hkx½ Qkbdl jsl heksl k ¼ihfy; k ¼gkshVhyh; k blVfxQkfy; k ¼kka h vls] BM½ fyfi; k tkokfudk ¼chVuk'kh; ½ E; wduuk çfjUI vekl iskh nn½ ikohvk bfUMdk ¼kko½ ikyh, fyFk; k I wjkd k ¼cQkj½ vls] ftftcj jkd h; e vekl d xMeM½ ds mi; ksrk igyva dks igyh ckj vfHkyf[kr fd; kA

dy 143 ikni uenka dks, df=r fd; k vls] I xgky; rS kj djds igpku dh xBA mi yC/ I kfgR; Is, df=r ekuo okuLifrd vkU/Mka dh I eh{k vls] tkp dh xBA



vktzfj; k uokl k

djh; k vkckjh; k

e/; çns'k ea I ri M i Bkj ds tutkrh; i kUdS/ka ea çpfyr ekuo & vksk/kh; mi; kxka ea i kni k adk mi; kx i s/uz

e/; çnsk ds ekUMyk] tcyij] dVuh vls] fNanokMk ftys ds tutkrh; i kUdS/ka Is ikjEifjd 'kdh; fpfdRI dka sikjEifjd Kku dk çy[ku fd; k x; kA dy feykj vksk/kh; egRo ds 327 ikni k ftudk mi; kx tutkrh; @LFkkh; ykcka ds çp çpfyr fofHku jkska ds mipkj ds fy, mi; pr pkj ftyka ds tutkrh; i kUdS/ka ds 80 ikjEifjd 'kdh; fpfdRI dka }kj k mi; kx fd; k tk jgk gS dks çy[kr fd; k x; kA

I w-hdj. k dsl kFk fo | eku mi; kst u i s/uz vls] fofHku vke jkska ds fo#) ikjEifjd 'kdh; fpfdRI dka }kj k mi; kx fd, tk jgs vksk/kh; ikni k ds mi pkj vkfn dks kh çy[kr fd; k x; kA

'kdh; ikni k ds foi .ku ea 'kfe y ek/; eka ds çy[ku ds fy, e/; çnsk ds ekUMyk] tcyij] dVuh] I ruk] fNanokMk Hkky vls] I kxj ftyka ea I o'k.k fd; k x; kA 0; ki kj ij I puk , d= djus ds fy, 'kdh; ikni k @Hkxka ds 0; ki kj ea 'kfe y 37 0; ki kfj; ka I sl Ei dzfd; k x; kA dPps 'kdh; vksk/kh; ikni Hkxka dh fcØh dh dher I j puk LFkkh; 0; ki kfj; ka I s, d= dh xBA

tutkrh; ,oa LFkkh; I epk; ka ea forj. k vls] tkx#drk I tu ds fy, vksk/kh; ikni k ds mi; kx vls] I j {k.k ij iEQy vls] Lyksu çdkf'kr fd, x, A



ikj ¼ekbyDI thyfudki½



gFkOku ¼yh; k eDkOkbyki½

nškt ikjEifjd Kku dk çys[ki kš.k.k , oa l phdj .k

>kj [k.M ds nškt ikjEifjd vksv/kh; Kku dk çys[ki kš.k.k , oa l phdj .k fd; kA ouka , oa 'kkd 0; ol kf; ; ka l sikni inkFkdsl xzj.k dsfy, g tkjhckx ftys ds l nj] piy ph ckj d k Bk] fo". kx <+ (Cykd k] yVgj ftys ea ckj okf Mg] x#l Cyk k] i ykewftys ea p i g Cyk k] l kfgcxak ftys ds ckj tk] cugth vks] ekUMks

Cyk k] kavks] >kj [k.M ds bz fl gHkie ft ykads MyHkæx <+ vks] pdfiy; k Cyk k] kack l o k .k fd; k x; kA

- >kj [k.M ds fd l ku [kkjokj] dkjekyll fcjgkj] l kš k] igkfj; k] ekayh vks] l c] tutkrh; l engkack v/; ; u fd; k x; kA

- lkni ; Fkk& okbVDI ihMudhyfjl ¼ukxcsy½ ghfyDVjl bl kjk ¼UFkk½ , fjLVksykfd; k bfUMdk ¼oZojewy½ ghfVI l ¼ohvksyDI gkFkh i d j] fdyksvks] dkj; k Vgksy ghuk , fUVMkbl fUVDk½ dSyks/ksil çkd hjk ¼On fdLe½ l kbi hj l jks/UMI] bjs/e d k l u t k b M l vks] , fjLVksykfd; k bfUMdk , d= fd, x, vks] okmpj uews ds #i ea ifjff{kr fd; kA

- ckFkMh] fcjfx; k] fcjgkj] phjk] dkjekyll [kkjokj] fd l ku] ikjfg; k l kš k] igkfj; k vks] l kc] tutkrh; l epk; ka l sl æfU/kr yxHkx 85 'kkdh; çSDV' kuj ka l svc rd mudh chekj h dsmi pkj dsfy, vksv/kh; 'kkd k adsmi; l x ds l æU/k e] l k{kkrdkj fd; k x; kA