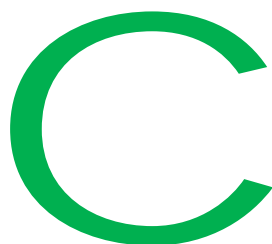
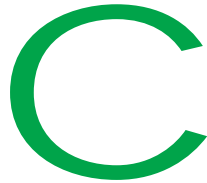


Hiet Hk'k ijh{k gsq
ekxhf' kzk

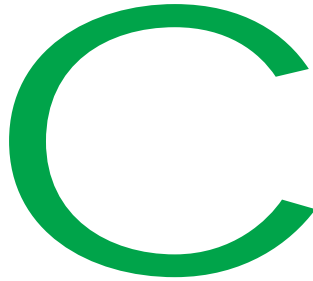


y{k
;f/k'Bj I jnkj

Hiet Hk'k i jh{k gsrqmi ; kxh (FOR MATRIC)



&%y{k d %
; f/k"Bj I jnkj
I ylgdkj
>kj[k.M Vlbžy Hiet dlmfl y
&%idk'kd %
fn0; T; ksr , Mqškuy ifcydšku
xEgfj; k I jk; dyk & [kj l kq



y[kd % ;f'k'Bj I jnkj
çdk'kd % fn0; T;kr ,Mqđsku y ifcydsku
xEgfj;k
i Fke I kdj.k % 2013 ¼1000½ ¼ d gtkj ifr½
c % >kj[k.M Vbzy Hmet dlmál y
eæd % f'k{k Hkjrh eæ.ky;
1@27] dk'khMhg] te'knij - 831001
eW; % 48@& #i; s¼Mfkyhl #i;sek=½
i=kpkj % ;f'k'Bj I jnkj
cyjkeij ¼'ko efnj dsfudV½
ik& & xEgfj;k] ftyk & I jk; dyyk&[kjI kok
>kj[k.M] fi udkM & 832108
Qksu uE % 09973938422 @&% 9939808506-@&% 9006987959

^ nks'kn **

iLrŕ iŕrd Hkŕiet Hkk"kk ijh{kk grŕq Nk=@Nk=kvka dsfy, mi ; kŕch , oa
vuŕk migkj gŕ ^ij.kk** ; g fl QZ uke gh ugha cfYd bl ds ek/; e l s
Hkŕiet Hkk"kk dh l kŕdfrd /kjŕŕj dks yŕ[kdolnka ds ek/; e l s l keus ykus dk
iz kl fd; k x; k gŕ yŕ[kdolnka vk'kk djrs gŕfd bl iŕrd ds ek/; e l s
Hkŕiet Hkk"kk dk fodkl , oa viuh l ŕdfŕ dks utnhd l s tkuus , oa l e>us
dk vol j feyskA

bl iŕrd l sek/; e l seŕvd Lrj dh , d ifr; kŕxrk ijh{kk vk; kŕtr
fd tk jgh gŕ ; g iŕrd mu ijh{kkfFkz ka dsfy, mi ; kŕch , oa l gk; d fl)
gkŕchA

l ekt ds izŕŕ 0; fDr; ka , oa l kekftd l jkŕkj j [kus okys cakŕka l s
fuonu gŕfd iLrŕ iŕrd dh =ŕV; ka dh vŕŕj gekjk /; ku vkd"V dja rFkk
viuk cgeŕ; l ŕko ndj geavukghr dja , oa Hkŕiet Hkk"kk fodkl ea viuk
l g; kŕ inku dja

yŕ[kdoln , oa l ylgdkj

Hiet Hk'k l ekt jackk cq

- 1- izu &Hk'fiet eqMk l ekt jsckk cq nksfp; k rkuk \
fglunh &Hk'fiet eqMk l ekt ea iutk&ikB D; k gS\
mUkj &Hk'fiet eqMk l ekt js l ekt jsu tksks gkMks cd ysk ok cq
jsu dylk] rk: c] fca'&fdna' ,eku tho turq dks gkrs cpko
cfrku ykxn cqckk cq , %/kA
fglunh &Hk'fiet eqMk l ekt ea l ekt ds l Hkh ykx LokLF; , oa
Bhd&Bkd rFkk taxyh fgd d tkuojka l scpus grq iutk ikB
l f"Vdky l sdjrs vk jgs gA
- 2- izu &Hk'fiet eqMk l ekt jsckk&cq fpfeu ydk 1/2p%ydk1/2 esukvk \
fglunh &Hk'fiet eqMk l ekt ea iutk&ikB fdrus izlkj ds gkrs gA \
mUkj &Hk'fiet eqMk l ekt jsckk cq
1-fn' kopyh1/2 ns kkoynh1/2 2-l kekftd 1/2ek?k&cq]gknh1/2
3-oakxr 1/2LVh ckck1/2 4- ikfjokfd@futj ckck 1/2gjk ukek
tke] vkMk j} ukek gkMks fgt , eku rsckck1/2
fglunh &Hk'fiet eqMk l ekt ea iutk&ikB & 1- ns kopyh 1/2 ns kHkj 1/2
2-l kekftd 1/2ek?k&cq] gknh1/2 3- oakxr 1/2LV nork1/2
4-ikfjokfd@0; fDrxr iutk 1/2u; k [kkuk] ?kj ea u; k 0; fDr ; k
ifjokj ea l d; k c<us ij 1/2

tkrM+ckk

- 3- izu &tkrM+nksfp js kcq ckck, vk \
fglunh &tkrM+D; ka iutk fd; k tkrk gS\
mUkj &tkrM+ckk nks xkek fgt vkdk eurs cqckk vk tkrscd ysk
pkl &ckl gq q/kdkA

fglNh &tkrkM+intk o"kkZ gksus ds fy, fd;k tkrk gS ftlIs [kshckjh
Bhd rjg lsgkA

4- izu &tkrkM+ckæck nks vksdkj dks ckæck, %/k \

fglNh &tkrkM+intk dgk; fd;k tkrk gS\

mÜkj &tkrkM+ckæck nks cq nkey j dka ckæck, %/kA

fglNh &tkrkM+intk igkM+ds?kkVh ij fd;k tkrk gA

5- izu &tkrkM+ckæck&cq jsfp; k&fp; k ckæck l keku yxkoks vk \

fglNh &tkrkM+intk ikB eaD; k&D; k intk l kexh yxrk gS\

mÜkj &tkrkM+ckæck js eMh xkMjk] fl e] l qe] fl nij] vknok pkoyh]

l kjtke l xke] l kjtke nk: js k /kqk , eku dks ckæck

l keku rkukA

fglNh &tkrkM+½ckæck½ intk&ikB eaHkMk] eqkZ rsy] fl nij] vjok pkoy]

l ky iÜkk] /kqk vkfn intk fd;k tkrk gA

6- izu &tkrkM+ckæck jsfp; k&fp; k cktMk; dks rkuk \

fglNh &tkrkM+intk&ikB eaD; k&D; k ok | ; æ jgrk gS\

mÜkj &tkrkM+ckæck js cktMk; & : rj ckuke] ukxjk] eknM+vkMks ?k/k

dks rkukA

fglNh &tkrkM+intk&ikB ea fuEufyf[kr ok | ; æ jgrk gS&

ckl gh] dnjh] ukxkMk] ekny vk\$?k/k@djrky vkfnA

l kjgy@gknh ckæck

7- izu &l jgy@gknh ckæck fp; k js k% cq ckæck, %/k \

fglNh &l jgy ½gknh ckæck½ D; ka intk fd;k tkrk gS\

mÜkj &l jgy@gknh ckæck nks ukek ftfu l ukek l dke~ukek tks ukek

okgk½ dks tke yxnc% ckæck, %/kA

fglNh &l jgy ½gknh ckæck½ u; k phT ¼u; k iÜkk] u; k Qy] ukek Qw½

vkfn dks [kkus ds fy, intk fd;k tkrk gA

- fglnh&dje i vt k dh xhr fu/kkzjr l e; ½eghuk½ rd xk; k tk l drk gA
- 16- izu &dkjke cka k fp; k rn-c% cka k, %/k \
 fglnh &dje i vt k fd l dksfd; k tkrk gS\
 mUkj &dkjke cka k dkjke Mky rn jkpjs fondkrs dks cka k, %/kA
 fglnh &dje i vt k dje Mkyh dks vka u ea xkM+dj i vt k fd; k tkrk
 gA
- 17- izu &dkjke cka k js dkjke Mky rn fcn-dkrsfp; k dksfpdk, %/k \
 fglnh &dje i vt k dje Mkyh dks xkM+dj D; k djrs gA\
 mUkj &dkjke Mky rn cka k dkrs xkrk fu%k l u u njka k dkrs dks
 tkxko , ; kA ½funk dks vk; ; k½
 fglnh &dje Mky dh i vt k i k B dj jkr&Hkj ukp xku dj txk; k
 tkrk gA
- 18- izu &dkjke Mky per k% dks Hkkj l ko , ; k ½onk; ½ \
 fglnh &dje Mkyh dks dc fol tU fd; k tkrk gS\
 mUkj &dkjke Mky dks 'kØokj ¼ qg½ l r k% dks Hkkj l ko , ; kA
 fglnh &dje Mky dks 'kØokj l qg dks fol tU fd; k tkrk gA

xjke cka k ¼ vt k½

- 19- izu &xjke cka k nksfp; k rkuk \
 fglnh &xke i vt k D; k gS\
 mUkj &xjke cka k nks gkrqjsu gkMks@ekueh] pMs pi : n] mfjt] ejke
 dks ds jks&fojks vkyks dk, % uke dks ykxn xke cka k nks%
 cka k%/kA
 fglnh &xjke cka k ½xke i vt k½ xkp ds ykxka ½eku0½ xk;] cdjh]
 fpfM+ kj vkfn jks&0; kf/k l scpkus dsfy, i vt k fd; k tkrk gA
- 20- izu &xjke cka k nks vdk; cka k, %/k \
 fglnh &xke i vt k dksu djrk gS\
 mUkj &xjke cka k gkrqjsu uk; k, % cka k, %/kA
 fglnh &xke i vt k xko dk i qtkjh djrk gA
- 21- izu &xjke cka k per k% cu cka k, %/k \
 fglnh &xke i vt k dksu djrk gS\
 mUkj &xjke cka k gkrqjsu uk; k, % cka k, %/kA
 fglnh &xke i vt k xko dk i qtkjh djrk gA

fglnh & xke intk dc intk fd; k tkrk gS\
mÜkj & xjke ckæc ekd j ckl h vk[kku nbyk ckæc gq qkA
fglnh & xke intk ek?k eghuk ds i Fke fnu intk fd; k tkrk gA

- 22- izu & xjke ckæc js k fp; k&fp; k ckæc I kexh gq qk \
fglnh & xke intk dh D; k&D; k intk I kexh gS\
mÜkj & xjke ckæc js jkæc fl e I kA/hj ckæc gq qk , u I kær s , Bkckæc
I keku teu & fl nij] I kjstke I dke] vknok pkoyh , eku dks
rkukA
fglnh & xke intk ea yky epkz intk fd; k tkrk gA bl ds I kFk vkj Hkh
I kexh t\$ s & fl nij] I ky i Ükk] vjok pkoy BR; kfnA

gjk%ckæc

- 23- izu & gjk%ckæc fp; k js k%cu ckæc, %/k \
fglnh & cksus dh intk D; ka djrs gA\
mÜkj & gjk%ckæc nks pkl & ckl ½ j s ks ckæc rkuk tkrk ckck dks cd
ydk veu ok nk: gk%vkdkA
fglnh & cksus dk intk d f k I ækh intk gS tks fd /kku vPNh rjg I smx
tk; vkj cMk gks tk; A
24- izu & gjk%ckæc js k ckæc I kexh dks fp; k rkuk \
fglnh & /kku cksus ds fy, intk I kexh D; k&D; k gS\
mÜkj & gjk%ckæc js k ckæc I kexh dknks & ukek Vph js gkyka rdks
vuy , ; k vkMks vkfi ; k fl Unij fVdk% , ; kA , u Vph js ckck
dks vke dkrk ukek ggy rdks nki ky , ; kA rkj i kjs , u ckck dks
fcy jdk gj s vkA vkdk dknks dnyke rs vkdk dknks uky
rdks fl %/k ½ , ; k ckck/A
fglnh & /kku cksus dk intk I kexh gS & u; k Vkdjh ea pkoy dh xA/h I s
yi fd; k tkrk gS vkj ml ij rhu Vhdk fl Unij nkx fn; k
tkrk gA ml Vkdjh ea /kku j [k dj [kr ea fy; k tkrk gA [kr
ea /kku dks cks k tkrk gA dkbz dnyky I s ; k dkbz gy tkr dj
ckrs gA

tUrM+ckck jsk izu

¼tUrM+ckck dk l oky½

- 1- izu &tUrM+ckck D; kafd; k tkrk gS\
tUrM+ckck nksfp; k jsk dks ckck, vk \
- 2- izu &tUrM+ckck dgk; fd; k tkrk gS\
tUrM+ckck nks vkckj dks ckck, vk \
- 1- mUkj &Jko pkMφ jš tUrM+dks ckck vk] vkcq gMks Hkk"kk rs tkjxh
pkMφ dks esus kA tkjxh pkMφ js tkjxh tki φ xkek jsk , dky
rsnkj dkjA us l e; js vk'k ckck dks Mheq voLFkk js rkukA cMk
ckck dks vk fcy dMhjs dkVk Mφko ydk nk% rku vkA rks os
tkuh ckck cd rs xsgsvk% fuerkx ckMk tφn dkt xkek jnkš
gkrq gMks dks gMh dks gkrq xkj ke&/kkj ke] ekjxk cq] xkek
ckck Vk; dks gkrq vk [kMk gMks gMh dks dks fourht vkA , u
fourh dks vk; ke dks ckck cq ckj nyk% dks ckck tvkA tUrM+
ckck js k% tk; xk nks uMkx gks Bkmdk gkdku tk, xk jsx dks
ckck tvkA buk nks tUrM+tkfgjk dks esus k vkck&vkck gkrq
dkjs tUrM+ckck dk ckck yjs , u gkrq l hekjs xkek xs dkt
xkekt vkA buk fn dks tUrM+ckck nyk uxjk eknM? kuVk
dks l kM? kA tUrM+ ckck nks cd ydkrs pkl &ckl gq q , dkk%
eBrs fl jek ijh vkrs xkek gknM+js k ckck dkukA tUrM+ckck
js fl e] ejke rkok] rksu] l qe] fl Unj] vknok pkoyh] osy
l dke] ejy l dke] l yrk /kqk rdk l dkt vkA
- fgUnh & tUrM+ckck Jko.k eghuk eafd; k tkrk gS Jko.k eghuk dks
Hkkiet Hkk"kk ea tkjxh pkMo dgrs gS Jko.k eghuk ea o"kkz
gksuk vfr vko'; d gks tkrk gS D; kafd bl l e; vk'k /kku
ykgph] dkajh vkfn /kku Qv us dh voLFkk ea vk tkrk gS
dksnkš xnyh] eMvk dks Hkh ikuh dh vko'; d gsrk gS cMk
/kku ds [kr ea Hkh , d nks bp ikuh l s Mck gksuk pkfg, A rc
rks og vPNk Ql y ns ik; xkA , s h voLFkk ea ; fn ikuh ugha
cjl rk gS rks xkp ds yxs xkp ds fopkj vk [kMk ea cB dj
o"kkz jkuh] bDnz nork dk fourh djrs gS

bl l s] [kqk gkdj ; fn o"kkz jkuh cjl tkrh g\$ [kr ds Ql yka
 dk l; kl cqk nrh gS rks tUrKM+ckæk fd; k tkrk g\$
 fdl h&fdl h xkp ea tcrd tUrKM+ckæk ugha gkrk gS rcrd
 xkp ds l hek ea i kuh ugha cjl rk g\$ tUrKM+ckæk ds fy, gj
 Hkriet xkp ea tUrKM+tkfgjk gkrk g\$ bl h LFkku ij tUrKM+
 ckæk fd; k tkrk gS ftl s tUrKM+tkfgjk dgrs g\$ vPNk l s
 /kku dh Ql y vkfn gks bl fy, tUrKM+ckæk dks i kuh cykus
 okyk nork Hkh dgk tkrk g\$

ek?k&cq dk l oky

- 1- izu & ek?k&cq ckæk pærk gkrpærk gkok dks ckæk%k \
 ek?k&cq ckæk dc l sdc rd fd; k tkrk gS \
- 2- izu & ek?k&cq fp; k js k dks ckækt vk \
 ek?k&cq ckæk D; ka djrs g\$ \
- 3- izu & Hkriet l ekt js ckæk nyk nks vkdks vkdks fnu j dks ckækt &
 vk \
 Hkriet l ekt ea intk i k B dks & l k fnu eafd; k tkrk gS \
- 4- izu & Fkki uk bfy vkdks vkdks dks okbt vk \
 Fkki uk gkfm+ k dks & dks cukrs g\$ \
- 5- izu & ek?k&cq js k eqt kn njkæ vksys csjA
 ek?k&cq dk fdl h , d xhr fy [kA

ek?k&cq ckæk

15 tuojuh vkrs 15 ekpZ gkck% Hkriet l enk; js ek?k cq ckæk js k% l e;
 rkukA us ckæk ek?k pkMiq ds nkjke vkMl% cq js k uek ckgj] uek l dke
 dks dks vkj/kukt vkA us pkMiq nks fl jek js k% uek pkMiq dks esus kA ek?k
 pkMiq js cq js k% Qvko ckgk tgka ydk mBkj ckgj] uek l dke dk dks
 gns k ck dk dks gs ts kA uek l dke js dk dks tkes kA tgk; pærk gkck
 dk dks ckæk&cq t vkA merk gkck , u l dke vkj ckgk dks vkMl% dk dks
 vkxqt vkA ek?k cq js ek?k pærk js k% nk% dks ckækt vkA uek fl jek js k%
 uek pkMiq js cq fcfju vkrs fot ` ydk tks ckgk vkMl% /kt -fc; qt js k
 , eku ftfu l uek% , dk ehrs ckæk l dk vkMl% feUrht vkdks ek?k cq ckæk

nks Hkriet I ekt js ckæc fnu j æks ckæct tkA Hkriet I ekt dkæc ckæc fnu
nks us ydka

ckæc ¼nð&nðh½ fnu & I kœokj
, æk ½ekrk½ fnu & eæyokj
vkeu ¼vðj u½ fnu & cðkokj
fxfj ¼kui vt k½ fnu & x#okj
I ðq ¼ kkflr½ fnu & 'køokj
nðq ¼nðk ds nørk½ fnu & 'kfuokj
fl at ¼ w ½ fnu & jfookj

ek?k&cq ckæc gkrqvk/kkfjr fnu ckj js k fu/kkj gkrq ckbz ysvk dks , u
I e; jA fol Hkx gkrq js ek?k ckæc I kœokj dks ckæct vk cq ckæc
eæyokj nyk% dks ckæct vkA vknst&vknst gkrq dkjs eæyokj ek?k vkj
cðkokj cq dks ckæct vkA vkæc&vkæc gkrqjs efl ´ fnu jsxs ek?k vkj cq
dks ckæct vkA ek?k&cq ckæc gkrq js k% vk[kMk js nq dks Bkmdk
vkA ujs gkrq uk; k vkj nõjh gk% e[; ftEekokjh rk; ksvkA ckæc fnu Bkmdk
tkujs u; k cðlh vkj nõjh cðlh Vkbzt gæ jkth& [kðkh dkth gkrko nkj dkj
vkA ek?k&cq ckæc nks usku ckæc dukj tgg; Bkmdk gkdku fnu dkjsxs
ckæc gq vka Bkmdk fnu js k vkpkj&rk; ke nks dk gq vka ckæc yxs rs
Fkki uk bfy dks ckbzt vkA us bfy dks uk; k cðlh vk&ls nõjh cðlh vk&lk-
nðkj vkyke tkyke xghtjkps dks ggyqfvak ´ dks frdh I kckn vkrs Fkki uk
bfy dks bfl u , s kA ckæc fnu ggyk gkrq js k% vk&lk% vk&lk% vkrs fl Ungj I uq
vknokj pkoyh vk&ls fl e] tkjke dks nõjh vk&lk Mkdok tðlh dks fdu
pknt ¼gjk½ , ; k fdu gkrq fl ek js k ek?k pæy gðM+ ekjak cq gkrsvðlh
cq gkost ckbz vkdku ckæc Fku dkjs dks ckæct vkA ek?k cq ckæc nyk%
tkrs jkæ ckæc dks fl e I kðlh fl e dYVh I uq fl Ungj vknok pkoyh
vk&ls jkæ ek% Fkki uk bfy jkð ks nk bfy rdks pk&lkj , s kA ckæc rk; ke
tk; jk gkrsv; k] nõjh dks cq nkjke dkæc] nkjke vko I suk% gk&ls dkæc
od &Hkðkk gjks dks dks I suk% vk dk&lk dks nks fi ækk /kqh vk&ls i ðlh xðth ck%
js i ðlh ikpu xkNk nkgMh dðlh dks vkyrk ikfM+ k I kðlh jkæ tkfdV
dkvk js [kkMðk ck% js iku dkvk yqj js ikxjk ewjs Qy h vk&ls yqð] I kt
i kskkd dks dks I suk% vk tk; jk vkrs gkrq gkost I ð u njkæ uxjk ek&lk+
rs jkLdk dks uk; k] nõjh dks ds dks vko dkæcA gkrq I s/j dks vk&lk&vk&lk

dyh n0kj js uk; k n0jh dks ds dKvk dks gkcx dks0kA uk; k vkMk I s/j ÅVq
 dks uk; k vkMks n0jh dKvk ykxk fgā kc rs I kjtke I dke QMw js
 bfy dks veš kA uk; k n0jh vkMks dMke uk; ks ckxk I keku I kl c gkMks dks
 bfy uq js dks fel kuukA bfy uq rk; ke uk; k n0jh gkrq gkMks xkpyk dQy
 dks rkyk js fgtq I sks gksu js k% dkth dks ÅncI knkj , s kA vkdkok Ånc
 dkth ydks us dkyke js k% I bnjk js k% I xep vl xep gkrq js vkj.knh
 dksknh jst% pkl &ckl gkl q xkj kx] tkjxh tki q js k% Hkfo"; r js k gksu
 dks rksy kA , u rk; ke uk; k n0jh vkMks uk; k&n0jh cæh I d q vk[kMk js
 vyr dks vki st nko I d q foHkj dks gkrq xkpyk dQy dMk dKvk dks ds
 I d q dks ÅdM+, s kA , su funk nks xks/k funk dks I d q vkxkt vka

ek?k&cq ckxk

15 tuojh I s 15 ekpZ rd Hkriet I epk; ea ek?k cq ivtk dk I e;
 gkrk gA ivtk ek?k ekg ds Lokxr vksj taxy dsu; k Qny] u; k iUkk dsfy; s
 vkjk/kuk fd; k tkrk gA bl ekg dks I ky dk iFke ekg dgk tkrk gA ek?k
 eghuk ea taxy ds Qny Qy t\$ sf>: y Qny] u; k iUkk ugha rkMk tkrk gS
 ; k ugha yk; k tkrk gA u; k iUkk ea ugha [kk; k tkrk gA tc rd fd ivtk
 ugha gkrk gA rc rd mu iUkk vksj Qnyka dks ?kj ea ugha yk; k tkrkA ek?k
 cq ea ek?k dQka dk ikuh dks Hkh ivtk fd; k tkrk gA u; k I ky dk iFke
 ekg ea taxy >KM+ea dbZ idkj dk Qny vksj i\$ Hkjus dk I kexh feyus ds
 fy, ivtk ikB fd; k tkrk gS vksj fourh fd; k tkrk gA ek?k ivtk Hkriet
 I ekt ea ckxk fnu ¼ keokj ½ dks ivtk fd; k tkrk gA

Hkriet I ekt dk ivtk fnu fuEu idkj gS &	
ckxk ¼ n0&n0h ½ fnu	& I keokj
, xk ¼ ekrk ½ fnu	& exyokj
vkeu ¼ vdgj u ½ fnu	& cdkokj
fxfj ¼ kui vt k ½ fnu	& x#okj
I d q ¼ kkfUr ½ fnu	& 'k0okj
n0q ¼ n0k ds n0rk ½ fnu	& 'kfuokj
fl at ¼ w ½ fnu	& jfookj

ek?k ivtk xk0 vk/kkfjr fnu ckj ml I e; r; gQk FkkA vf/kdkk xk0

ea ek?k i ntk l kœokj dks gkrk gS vksj cq i ntk eaxyokj dks gkrk gA
 dN&dN xkœka ea eaxyokj ek?k rFkk cœkokj cq i ntk gkrk gA dkb&dkbZ
 xkœka ea nksuka gh i ntk , d gh fnu dks fd; k tkrk gA ek?k , oa cq i ntk dk
 fnu fu/kkZj .k vk[kMk ea cœdj fy; k tkrk gA bl ea uk; k rFkk nœjh dk
 eq; Hkfredk jgrk gA i ntk dk fnu fu/kkZjr gksus ij uk; k cœh vksj nœjh
 cœh l s Hkh jtkenh ysuk t: jh gA ek?k vksj cq i ntk fu/kkZjr fd; s x; s
 fnuka ea gh gkrk gA
 fu/kkZjr frFk ds igys ; k ckn ugha gkrk gA i ntk ds fy, LFkki u gkM+k
 cuk; k tkrk gA bu gkM+k dks uk; k cœh ¼ i ntkjh cœh½ vksj nœjh cœh ?kj
 ckj ysk&iskbZ xkœj yskbZ di M&ykr l QkbZ dj LFkki u gkM+k cuk; k
 tkrk gA

i ntk ds fnu xkœka ds ?kj&?kj l s fl Unij] rsy] vjok pkoy vksj eqxZ
 ¼pœk½ vMk vkfn dks nœjh , oa Mkdœk fey ij bdVBk djrs gA xkœka ds
 l hek dk ek?k dœka Nks/k&cMk taxy l s Vœwœq rd cuk; h x; h Fkkuks ¼ i ntk
 LFky½ ea i ntk gkrh gA ek?k cq i ntk ds fnu l Hkh izdkj ds nœrkvka dks
 eqkZ pœk] rsy fl Unij vjok pkoy vksj LFkki u gkM+k dk jkl h dks i ntk
 fd; k tkrk gA i ntk l ekflr i'pkr tkfgjk l s uk; k] nœjh l cœks Lokxr
 fd; k tkrk gA Lokxr ds fy, tkus okys yksx ikjEifjd oœk&HkMk igu dj
 tkrk gA iœ" k l Qn /ksh vksj l Qn xath fl j ij xeNk ixMh] efgyk, i
 yky ikM+ l kMh] yky tkfdV ¼ykm½ iœ ea [kkMœk] tœk ea iku] dkœk
 dku ea ckyh ¼ xjk½ ukd ea Qnyh vkfn Jœkj yxkdj tkfgjk l s ?kj rd
 ukp&xku ukxM&ekny l s [kœkh& [kœkh i ntkjh rFkk nœjh dks ykrk gA xœ
 igpdj ?kj njoktk ij u; k ¼ œtkjh½ nœjh dks iœ /kyk; k tkrk gA i ntkjh
 ?kj igpdj nœjh cœh Fkdku nij djus ds rksj l s l ky iœkk dk nksuk ea
 gkM+k nœrk gA u; k nœjh dk l kexh idMœs okys dks Hkh gkM+k i hus ea
 'kkfey fd; k tkrk gA gkM+k i hus ds ckn i ntk vku&tkus ds l e; ds ckrka
 dks [kykl k djrk gS vksj ml h ds [kykl s vuœ kj vkus okys l ky dk f'kdkj]
 vPNk&cœk xœ eœ 'kknh&c; kg vksj [ksh&ckMh] jksx] chekj] o"kkZ~ dk vksj
 Hkfo"; ds fy, jklrk vi ukrk gA

ml ds ckn i vtkjh nōjh vks i vtkjh nōjh cēh ukp&vk [kMk ea foHkDr
 dj rhu ckj ukprs gq pDdj dkVrk gā xteh.k] dVtē i # "k&efgyk dks
 upkus dsfy, l xfbR djrk gā ml h jkr dks jkr Hkj ukprs gq l qg djrk
 gā

Hmet l ekt jš k%ck&cq usyd

- 1- ek?k cq ckck
- 2- gknh l jgy ckck
- 3- l ōnj k ckck
- 4- epfj ckck
- 5- tquh cfV; k ckck
- 6- dkm+ s ckck
- 7- tkUrkm+ckck
- 8- dje ckck
- 9- ckUnuk ½xkMk½ ckck
- 10- gki kMke ckck
- 11- dMk ½yq ½ ckck
- 12- gy Vck ckck
- 13- jkguh ½x# psyk½ ckck
- 14- Hkst k rē ckck
- 15- ,js l kc ckck
- 16- ckck eV ckck
- 17- [kr vko ckcks
- 18- nkukjke ckck
- 19- dVtē ckck
- 20- usy nkjke ckck
- 21- yqj rplqt ckck
- 22- ukek tke ckck

dje ykusdk xhr dje vko nġkx

Mkyk l i s x dkr} rhjs dki h vkr
Mkyk l i s x dkr} rhjs dki h vkr}
bZ`k ckcq l su rkukxk} dje jktk l okr /kkfu & /kkfu ----
bZ`k ckcq l su rkukxk} dje jktk l okr /kkfu & /kkfu ----
?kq/h iġst rkok} i Mq iġst [kkbz
?kq/h iġst rkok} i Mq iġst [kkbz
bZ`k ckcq l su rkukxk} dje jktk l okr /kkfu & /kkfu ----
pki Vh iġst vk; kse] pki Vh iġst dkty
pki Vh iġst vk; kse] pki Vh iġst dkty
bZ`k ckcq l su rkukxk} dje jktk l okr /kkfu & /kkfu ----
pki Vh iġst fl Unġ] pki Vh iġst l qe
pki Vh iġst fl Unġ] pki Vh iġst l qe
bZ`k ckcq l su rkukxk} dje jktk l okr /kkfu & /kkfu ----
i Mq iġst xkskk} i Mq iġst rkcu
i Mq iġst xkskk} i Mq iġst rkcu
bZ`k ckcq l su rkukxk} dje jktk l okr /kkfu & /kkfu ----

vk[Mk Fki uk xhr

xq okj fnu js l qe funkcj
xq okj fnu js l qe funk js
vks dje fons yvk vks dje fons yvk
: rku nġkx l ġ rdxs l vj ysk
: rku nġkx l ġ rdxs l vj ysk
eknkM+l kMh nġkx l ġ yq jek rkdht tku
bZ`k eunks myMq bZ`k eunks myMq
fpdká l sks funk , dsk
dje ckck ekj kx ckck fgt vkdku vkcq vkMk
dje ckck ekj kx ckck fgt vkdku vkcq vkMk
l ktko , s k cq vk [kkMk] l ktko , s k cq vk [kkMk]
dje 'kq kq cMbz jekst kAA

gknh njlax

xj vkdku ykVie vkdku f>æk ekbj h ckck
rkj vkdku rkoj vkdku dknky ekbj h dkanhA
xj vkdku ykVie vkdku f>æk ekbz ckckA
rkj vkdku rkcoj vkdku dknky ekbj h dkanhAA
vkdks nksys bjsvk f>æk ekbj h ckck
vkdks nksys gsjk dknky ekbj h ckckAA
uk; ds nksys xks bjsvk f>æk ekbj h ckck
noj h nksyxks gs l jk dknky ekbj h dkanhAA

ek?k&cq njlax

cq dksys ckæck rkuk vk uk; k cq dgykbz vk uk; k rksy rkdk s ea
ekxs nksys l ok rkuk vk nojh xkMk rk; ku vk nojh Vjks rkdk s ea
cq dksys ckæck rkuk vk uk; k cq dgykbz vk uk; k rksy rkdk s ea
ekxs nksys l ok rkuk vk nojh xkMk rk; ku vk nojh Vjks rkdk s e
cq dgykbz vk uk; k ckpde ck; kj rs uk; k rksy rkdk s ea
xkMk rk; ku vk nojh l kl kax l olke rs nojh Vjks rkdk s ea
cq dgykbz vk uk; k ckpde c; kj rs uk; k rksy rkdk s ea
xkMk rk; ku vk nojh l kl kax l olke rs nojh Vjks rkdk s eAA
vkdks cq jkdkc ysuk uk; k bfy pkVwcd km+ tku
vkdks cq jkdko ysuk nojh rkpsu Mkyk fgjt tkuA
vkdks cq jkdko ysuk uk; k bfy pkVwcd km+ tku
vkdks cq jkdkc ysuk nojh rkpsu Mkyk fgjt tkuAA
ekjkax cq jkdkc ysuk uk; k bfy pkVwcd kmk tku
gfmak cq jkdkc ysuk nojh rkpsu Mkyk fgjt tkuAA

ek?k&cq njlax

vk; kj jhu esks uk; k vk; kfju esks
cq I dkMkrk rs vk; kj jhu esks
I qqbZ' esks nqjh I qqbZ' esks
xkMk I kskMkrs I qqbZ' esksAA
cq &cq dkrsvk; kj jhu jnks
cq cak dksys usys tkek
xkMk I kskMkrs I qqbZ' jnks
I hek cak dksyfpuko tkekAA

fookg&I hokj

½gjsu fofju I hekdu½

- 1- Hkriet I ekt eafdruk idkj dk fookg ekU; gS &
mo ½½ I qe vk. kMh ½½ uki KEi vk. kMh
½ii½ I kak vk. kMh ½v½ Mpdqcyks vk. kMh
½½ Bqh fnfi y vk. kknMh½i½ I koMk I rk vkMknh
- 2- I qe vknkMh ea i Eke fof/k dk uke D; k gS\
mo nqkj pki kn] nk% xq/h ve
- 3- I qe vkMknh ea I kekftd ijEijk ea vkxqkbZ dks D; k dgrs gS\
mo MkM; k
- 4- I qe vk<knh ea dgk; I sgjsu fofju idMfsgS\
mo oj ; k du; k ?kj I sxk ds I hekdu rd
- 5- gjsu fofju fdrusyks idMfsgS dk ijEijk gS\
mo rhu yks ½i½ MkM; k nks 0; fDr
- 6- Hkriet dY; k.k ea i Eke ik= ; k ik=h ns[kus dks D; k&D; k I kexh idM+
ds tkrsgS\
mo dgMh ½ykVh½ Nkrk] dkpk] xeNk
- 7- Hkriet I ekt ea I e xks= ½dfy½ ea fookg gkrk gS\
mo oftr gA

- 8- Hkriet I ekt ea I kxq fookg eafdu&fdu igpku dh ckr gksh gS\
 mo fdyh] md'kkl u] xMf
- 9- Hkriet I ekt ea I kxq fookg eafdl i {k }kjk xue ¼ u½ fn; k
 tkrk gS\
 mo oj i {k
- 10- Hkriet I ekt ea gkjsu fofju ckæc dgk; gksh gS\
 mo xkø I hek ckj
- 11- Hkriet I ekt ea gksusokys , js ckæc eadks&dks miokl jgrsgS\
 mo MkMh; k] ekek] fir k ¼rhu 0; fDr½
- 12- Hkriet I ekt ea ckyk ¼oj ns[kk½ eackykvla dks dS sLokxr fd; k
 tkrk gS\
 mo xhr] nkjke] I qe nk%rs
- 13- Hkriet I ekt dsckyk ea oj dks dksu fi nokMh djrs gS\
 mo I kyk
- 14- Hkriet I ekt ea ckyk eafdl rjg I sfonkbZ nrs gS\
 mo njka'x] I qe I kl kx] ekyk
- 15- Hkriet I ekt ea I kxq vkMknh eadS k fueæ.k fd; k tkrk gS\
 mo xpk I dke
- 16- Hkriet I ekt ea I kxq vkMknh ^yksu* fdl pht I sfd; k tkrk gS\
 mo yksu VpÅ ¼yksu gkMh½
- 17- Hkriet I ekt ea xpk dksu rkMfk gS\
 mo xkøyk dsrhu ; pk yMæk ¼ pk 15 o"lz I suhp½
- 18- Hkriet I ekt ea yqj rplq ugha gks I s dks&dks fof/k ea ekl; ugha
 gS\
 mo fof/k I ky] gkMks rks i k] gkMks jkl i k%
- 19- Hkriet I ekt eafookg dksu I Eilu djrk gS\
 mo xkpyk] uk; k] MkMh; k

- 20- Hkriet I ekt ds I kxq fookg ea fof/k gkl k] nk% dks vks dgk I s ykrs
 gS\
 mo xkpyk] efgyk] uk; k] cMh dphjh yMdh %efgyk Hkriedk] i kEi fjd
 LFky
- 21- Hkriet I ekt ds I kxq fookg ea fof/k gkl k] nk% ykus dk D; k&D; k
 I kexhgS\
 mo vkv I kj %rhu /ku% nk% x%h] Mkyk] dk ph %d%ye% d%ky
- 22- Hkriet I ekt I kxq fookg ea NkeMk fdI Mkyh I scuk; k tkrk gS\
 mo d%k Mky %t%keMky%
- 23- Hkriet I ekt ds I kxq fookg ea fdruk dksk dk fof/k cuk; k tkrk gS\
 mo rhu dksk fof/k Δ
 R & eknde %eg%k%
 L & I hnk I Øst % hnk%
 Δ & I kj tke % ky%
- 24- Hkriet I ekt ds I kxq fookg ea fof/k I ky ea dks&dks Mky xMfsgS\
 mo I kj tke] eknde] I Øst % ky] eg%k] 'khnk%
- 25- Hkriet I ekt ds I kxq fookg ea i ; rk dk jax D; k gS\
 mo I kd kx jax %gYnh jax%
- 26- Hkriet I ekt ds I kxq fookg ea i ; rk dks cukrk gS\
 mo rhu ; %k %Fk%Mk%
- 27- Hkriet I ekt ds I kxq fookg ea I hfy fl Ung dks vax I sfy; k tkrk
 gS\
 mo oj N%h vxk%h %cka k gkFk d% dU; k ekMh /k%h vxMh %nkfguk gkFk d%
- 28- Hkriet I ekt ds I kxq fookg ea vkeMk [kkus dk D; k egRo gkrk gS\
 mo I kxq vk<anh js dU; k vkvks jek% I q tke
- 29- Hkriet I ekt ds I kxq fookg ea dU; k i {k ea fdu&fdu yk%ka dks x%k
 I dke fn; k tkrk gS\
 mo xte i %kku uk; k] xkpyk] dU; k] p%dhkj

- 30- Hkriet I ekt ds I kxq fookg ea ^ckj ; kfr* 1/2ckjkrh1/2 dk dks nkjEnk
 djrk gSvkj dgk cBk; k tkrk gS\
 mo xkpykj Mjk I ky 1/2dtk Mjk I ky1/2
- 31- Hkriet I ekt ds I kxq fookg ea Mjk I ky ea dks I k Mkyh xkMk
 tkrk gS\
 mo dtk Mky 1/4tke Mky1/2
- 32- Hkriet I ekt ds I kxq fookg ea ^>kjhknk% dgka djrs gS\
 mo , d naxh; k dgMh Mjk I ky 1/2dtk Mky1/2
- 33- Hkriet I ekt ds fookg ea 1/4 qe1/2 ny dks djrk gS\
 mo ekek] ekeh
- 34- Hkriet I ekt ds fookg ea dks&I k fn'kk ea cBdj fl Unjk nku gkrh
 gS\
 mo du; k fl axh gk j 1/4f'pe1/4 oj fl axh jkdk i 1/4w1/2
- 35- Hkriet I ekt ds I kxq fookg ea I kyk dkpk dgk djrs gS\
 mo du; k vkMk% dyh Mpkj jA
- 36- Hkriet I ekt ds I kxq fookg ea fl Unj nku I hyh igys I s ; k fl Unj
 gkrk gS\
 mo fl fy I s
- 37- Hkriet I ekt ds fookg ea fdI ds xkn 1/2gcs e1/2 gkrk gS\
 mo ekek
- 38- Hkriet I ekt ds I kxq fookg ea dk'kh Qny 1/2dk'ks ckgk1/2 D; ka mMk; k
 tkrk gS\
 mo iw; of)] dk'ks ckgk ysk i q Nksy js k vkf'k'k vke
- 40- Hkriet I ekt ds I kxq vkMknh js dk'ks ckgk vkdk d% dks/kt \
 mo I kturk 1/2dtk ; k cMh1/2
- 41- Hkriet I ekt ds I kxq vk<knh ea ckj ; kfr dks dks 1/4fuok; 1/2 ykdrh
 gkM+d% I su gq qk \
 mo 1/41/2 ekek 1/4i1/2 ekeh 1/4ii1/2 MkfM; k 1/4v1/2 cgukbz
 1/41/2 fgfyx 1/4vi1/2 fnfn 1/4vii1/2 xkpyk 1/4viii1/2 yqnh

- 42- Hkriet I ekt ds I kxq vk<nh ea' I q kfrxx* fof/k dgk; gkrh gS\
 mo Mjk I ky vk[kMk js
- 43- Hkriet I ekt ds I kxq vk<nh ea I q kfrxx fof/k ea D; k&D; k ckrphr
 gkrh gS\
 mo tkxx rs; h thyqr} vkys vkMk js I ksk xs: i k xs
- 44- I kxq vk<nh js oj du; k ds vkdk VkbZ vkrs nkj kenk% gq q/k \
 mo dgyh eMk gkrsoj vMk gkst
- 45- Hkriet I ekt I kxq vk<nh ea oj] du; k vkdk ds vk; kj pefMvk \
 mo ekxx] oj ds
- 46- Hkriet I ekt I kxq vk<nh js eMn I kdke vkdk js dk% gkj kv dskv%
 vkj vkdk fr js\
 mo dgyh npkj js yaxk fr js
- 47- Hkriet I ekt ds I kxq vk<nh ea fof/k I ky dk ekVh] Mky dgk; fn; k
 tkrk gS\
 mo ijEijkxr LFky ea
- 48- Hkriet I ekt ds I kxq vk<nh ea dknks gkVh dks&dks [ksyrs gS\
 mo oj] du; k] fgyhxx] gkxk
- 49- Hkriet I ekt ds I kxq vk<nh ea oj du; k Luku ds ckn oj dks rhj
 NkMws dk D; k ijEijk gS\
 mo iMst js k% miq e ¼ kfDr ij h{k. k½
- 50- Hkriet I ekt I kxq fookg ea Luku ds ckn fdruk ckj rhj NkMws gS\
 mo rhu ckj
- 51- Hkriet I ekt I kxq fookg ea rhj rhu ckj NkMws dk D; k I adr gS\
 mo I h/kk rhj tkus I s'kjk I adr gS
- 52- Hkriet I ekt js ukek du; k ds dgy miq e fperk gq q/k \
 mo dknks gkVh me rk; ke

- 1- tknwkMk jduh efnj js vksdksfdyt ckck rkuk \
 mo ¼½ MkdMk ¼i½ gEce ¼ii½ I kekn ¼v½ ikpjh ¼Ans. - iii½
- 2- jduh efnj js Hkriet I ekt I k% vkrs vksdksnyk% dks ckcktt vKA
 mo okl Urh ckck js k% I kxu nyk% js okck gq % vKA
- 3- okl Urh ckck js k I kxu ekgk js Hkkjr fn'ke jsu Hkriet I ekt dks vksdks
 I jek dks nq Mq ysuk \
 mo okl Urh ckck js k% I kxu ekgk js Hkkjr fn'ke jsu Hkriet I ekt dks 1979
 I jek jds nq Mq ysukA
- 4- jduh efnj js fn'ke uk; kt ckck rkuk vk; k% ueqfp; k \
 mo vfuy fl g
- 5- jduh efnj js k% icy ueqfp; k \
 mo dki kM/xknh ?kkV
- 6- dki kM xknh ?kkV vksdks js esuk% vk \
 mo ftyk iwhz fl gHke ikv/dk iz[k.M tknwkMk tkik jkg.kh cMk xte js
 esuk% vKA
- 7- ?kkV ehrs vke fp; ke cpm rkuk \ ?kkV pfeu jkdke esuk% vk \
 mo ?kkV ehrs nks tkgk jsu riq ukj gkMks xkst tku js nl fnu nyk tkgk js
 dkekM dks me vk buk gka ?kkV dks esus k vkMks ckj fl ekuk js k% cq
 rkyk js tkgk gksu esuk% vk buk gka ?kkV cq esus kA buk dks usy dks
 , rks gk% rkuk ts ?kkV nks vkist jkdkek% dkuka
- 8- fn'ke gknh vksdks jds ckck rk% vk Hkriet I ekt I k% vkrs \
 mo ekxkM+cq tkbjk Fkkuk js
- 9- Hkriet I ekt dsk% fn'ke gknh vksdks js esuk% vk \
 mo ekxkM+cq tkbjk Fku js gfj.kk
- 10- fn'ke gknh jsu uk; k gk% fp ueq vkj fpdku fdfy \
 mo 'kd kUrks I jnkj I kMh fdfyA
- 11- ekxkM cq js vksdks fdfy; k% md 'kkl ksu esuk vk \
 mo ckck fn'ke uk; k I kMh fdfy dsk%A
- 12- ekxkM+cq ¼gfj.kk½ tkUrKM+ckck fpek ekttk jsu gkMks dks ckcktt vk \
 mo

- mo plsjkl h ekst k js gkMkA
- 13- ekxkM+cq js k% uMka uqfp; k rk; dsuk \
- mo ekxkM+cq js k] uMk uqfnks?kkVxk rk; dsukA
- 14- jkstkl kyk l Økflur js k% l qe fnu js >kj [k.M jkT; rkyk js vksdks tk; xk js tktked ijc gq % vk \
- mo >kj [k.M jkT; js k% inh fl gHke ftyk iks/dk iz [k.M dkokyh Fkkuk] xte gfj.kk l hek ekackM cq l kMh dkok% tka rsi k 'kk l ks l oka js k Vka/h jsf'ko eanj] jcluh eanj l ck js tkd tkekd ijsk gq % vka us ijsk js l kax´ l kax´ vkrst eksu mfM+ k] if'pe cakj] e/; insk vkrususy gkMks vkj ckj rh ¼kkDrks½ dksfgt% vka
- 15- gfj.kk jsu cekt ckck ds vksdks fdfy gkMkst uke fyft t vk \
- mo gfj.kk jsu cekt ckck ds l kMh fdfy gkMkst uke ysft t vka
- 16- Hkyk ykÅ tkMk vksdks js esuk% vk \
- mo cjkgHke eyd inh fl gHke ftyk ckMke iz [k.M js Hkyk ykm tkMk nks esuk% vka
- 17- Hkyk ykÅ tkMk fpdkrs fufeu uqvkuk \
- mo Hkyk ykÅ tkMk js gkFkh gj ckck ½gkFkh [knk½ esuk t vka , u ckck nks Hkiet l ekt jsu xyxqdfdy dksdks ckck l ok rkukA
- 18- Hkyk ykÅ tkMk jsu gkFkh gj ckck ½gkFkh [knk½ ds vksdks uk; kt ckck gkt rkuk \
- mo Hkyk ykÅ tkMk jsu gkFkh gj ckck dnksfxjtk id kn fl g l jnkj uqpkuk uk; kt ckck l ok rkft t vka
- 19- ckjrh ehrsfp; ke cq km rkuk ck [k.M , eA
- mo ckjrh ¾ ckj \$ rh ckfj; k rh ekn Vkbz js tkgj dkr s dkVkc ¼miki ½ rk; dkr s ckck dks ekn eu rsugkj folrh dkr s vkj th uk buk xsckjrh dks esus kA
- 20- ckjrh fpfeu gkV´ js esuk% vk \
- mo ckjrh vki st gkV´ js esuk% vka
- 1- ckjrh & dkVkc ¼miki ½ rs rk; A
 - 2- ckjrh & ckfj; k rh ekn dkr s tkgj folrh
 - 3- ckjrh & gkbz l bnjk fxjk gka ckjfr dks esus k
- 21- gkFkh gj ckck ½gkFkh [knk½ dsfp; k i kgM+rdks ckck l ok gkt vka

mo xkMjk ¼kMk i ka/k½

22- >kj [k.M js k% nkl kj ml gy cq js k% uęqfp; k \

mo nkyek cq

23- nkyek cq js vksdks ckæk esukt vka

mo nkyek cęk ckok ¼' ko½

24- nkyek cq fpdkrs fufeu uęqkuk \

mo ckdk.k , e >kj [k.M l gyd jsu nkl kj ml gy cq nkyek cq dkukA us

cq rn nks xysckj ¼ckjg½ ¼l2½ gkfV ^ js esuk% vka us cq prku js

f'ko] eka jadu] vkmk% nyek ckck , eku ckæk cq dksk% ckæk Fkku esuk%

vka nkyek cq js cSk [k i q q ngyk% fn'kok l bnjk i kjs gq % vka

ppkM+fontg vkmk% Hkiet fontg js k% l kjsu ¼mdq½ vk [kMk rk; dsuka

nkyek cq jsfty] l djh] ckuk dgyk] gkFkh , eku tho ft; kyh esuk%

dkokA vkmk% ujs cq foHkx js k% vkmk% esuk% vka l kars gfj.kh vkJ; gka

esuk% vk ¼tyq vkJ; ½ nkyek cq prku js fVLdks js k% Vkokj esuk%

nkyek cq ykrkj js fMeuk ck/k ¼fejtkMhg ck/k½ esuk% vka

25- nkyek cq js vksdks vksdks ckMk ckæk gq % vka

mo nkyek cq js pš l Økurh] vkl kMh] ckMk ckæk gq % vk \

26- nkyek cq js pš l Økurh ckMk vksdks ektk jsu uk; kt ckækt vk \

mo nkyek cq js pš l Økurh ckMk ckMk i [k.M ck/k ysye ektk jsu

uk; k \

27- nkyek cq js pš l Økurh ckMk tggk; uk; kt ckækt vk vk; k% uęq vkj

fdfy fp; k \

mo fdfyckjnk

28- gkokj cq js vkl kMh ckæk ckMk uk; k gk% fp uęq vkjfp fdfy dkuk \

mo nkyek cq js vkl kMh ckæk ckMk uk; k gk uęq nks-- fdfy nksckjnk

29- nkyek cq js vkl kMh ckæk js k% fp fo'kšrk esuk% vk \

mo nkyek cq vkl kMh ckæk js k% fo'kšrk nks fu; k dkuk ts nkyek cq js

vk; kj vkl kMh ckæk gq % vk , u rk; kę rs 52 ektk js ckæk gq % vka

30- vksdks ektk jsu uk; k gk% uęq rs nkyek cq js k% ckæk Fkku js k%

[kkfr; ku esuk% vk \

mo cjkHkē eyd] ckMke i [k.M] dkbjk ekztk] uk; k gk% uēq rs nkyek cq
ckæk Fkku js k% [kkfr; ku esuk% vka

31- 1832&33 Hkfiet fontg egkuk; d xæk ukjk; .k fl g vk mdu vk [kMk
vkdks js rk; dsuk \

mo nkyek cq ckVk ypk tk; xk jA

32- Hkfiet fontg jsu chj Hkjr Hkq k gk% ckæk Fkku js k% uēqfp; k \

mo fdrk i kVA

33- fdrk i kV ckæk vkdkls pkMq; js gq % vk \

mo fdrk i kV ckæk 'kkjkoku pkMq; js gq % vka

34- fdrk i kB ckæk Fkku jsfp ckæk uēq rs gq % vk \

mo tkUr kM+ckæk uēq rA

35- nōkj fl uh ?kkV vkdkls js esuk% vk \

mo nōkj fl uh ?kkV /kkyHke eyd vkj dōyk iky eyd I hek rkyk js k
cq fcrkj js esuk% vka

36- nōkj fl uh ?kkV js vkdkls tkfr gkMkst ckækt vk \

mo Hkfiet tkfr gkMks

37- vk [kku tk=k ek?k cq vkdkls pkMjh i kV js gq % vk \

mo fuf'prij xte xEgkfj; k i [k.M jA

38- vkdkj fl uh i kV vkdkls fi Mw js esuk vk \

$\frac{1}{4}A\frac{1}{2}$ [kj l ok; $\frac{1}{8}B\frac{1}{2}$ l kjk; dsyk $\frac{1}{4}C\frac{1}{2}$ i kr dke $\frac{1}{4}D\frac{1}{2}$ dppk

$\frac{1}{4}$ Ans. - $A\frac{1}{2}$

39- Hkso Fkku vkdkls js esuk% vk \

$\frac{1}{4}A\frac{1}{2}$ nke i kMk $\frac{1}{8}B\frac{1}{2}$ vkVdkd h $\frac{1}{4}C\frac{1}{2}$ dkd i kMk $\frac{1}{4}D\frac{1}{2}$ i k; Vk xqMh

mo $\frac{1}{4}A\frac{1}{2}$

40- Hkso Fkku js vkdkls ckæk gq % vk \

$\frac{1}{4}A\frac{1}{2}$ pŕ $\frac{1}{8}B\frac{1}{2}$ cŕkk [k $\frac{1}{4}C\frac{1}{2}$ vki kM+ $\frac{1}{4}D\frac{1}{2}$ 'kkoku

mo $\frac{1}{4}A\frac{1}{2}$

41- pppM fontg vkdkl urk gk ckæk Fkku Hkso Fkku nks \

$\frac{1}{4}A\frac{1}{2}$ u; u fl g $\frac{1}{8}B\frac{1}{2}$ nke nōkj fl g $\frac{1}{4}C\frac{1}{2}$ txllukFk fl g $\frac{1}{4}D\frac{1}{2}$ yky fl g

mo $\frac{1}{4}A\frac{1}{2}$

- 42- Hkriet fonkg jsu usk ftjik yk; k vksdksjst ckæck dsuk \
 ¼A½ ,jk Mæxjh ½B½ fyikbz ikV ¼C½ Hkopa ikV ½D½ ekBk ikV
 m0 ½B½
- 43- ftjik yk; k vksdksfdfy gkMkst rk; dsuk \
 m0 mcj l kMh
- 44- ftjik yk; k vksdksjds ikl h xkst fdft t vk \
 m0 iq fy; k ftyk cyjkeig Fkkuk fuydv/h cMknk%jA
- 45- Hkso Fkku vksdks?kkV tki k%js esuk%/k \
 m0 fupkM+NkV tki k%jA
- 46- Mkmq ikV js vksdks tkfr gkMks dks ckæckt vk \
 m0 ¼A½ Hkriet tkfr gkMks ½B½ l Fkk.k tkfr gkMks
 ¼C½ ykMæk tkfr gkMks ½D½ mjkp tkfr gkMks
 m0 ¼A½
- 47- ikd.kk cq jsfp ckæck gq % vk ¼mfM+ k½
 m0 ¼A½ ek?k ½B½ cq ¼C½ tkUrKM+ ½D½ gknh
 m0 ¼C½
- 48- ikd.kk cq jsfperk ckæck gq % vk \
 m0 bph js
- 49- ikd.kk cq js vksdks tkfr vkj fp fdfy gkMkst ckæckt vk \
 m0 Hkriet tkfr gejke fdfy dka
- 50- dkygku iæ.My js Hkriet tkfr dæok fn'kæ ek?k cq ckæck vksdks js
 gq rkuk \
 m0 iohz fl gHkæ ftyk] ikv/dk iz[k.M tMh gkrqjA
- 51- fl ynk js vksdks tkfr gkMks dks ckæckt vk \
 m0 Hkriet tkfr gkMks \
 m0
- 52- fl ynk vksdks js esuk% vk \
 m0 enuhig ftyk ikVkfc/kk jA
- 53- tk; jk Fkku eBrs fp; ke cækm rkvk \
 m0 gkrq l hek fcrkj js ekst fBdk.kk tgl; js gkrq uk; k fnoj h vkrs l kj tkæ
 nk: ykrkj js dks ckæckt vk buk xs tk; jk dks esus kA

- 54- Hkriet I ekt gkrqjfpdku fpdku tk; jk esuk% vk \
- m0 1- cq ckæc tk; jk 2- gknh ckæc tk; jk
 3- ekæc ckæc tk; jk 4- tkUrM-ckæc tk; jk
 4- vkl kMh ckæc tk; jk 5- xkjke Fkku tk; jk
 6- I ðnjc ckæc tk; jk 7- xkku Vka/h ckæc Fkku
- 55- fejtkMhg ckæc ¼Meuk½ vksdks cq ykrkj js esuk% vk \
- m0 nkyek cq ykrkj jA
- 56- ikryij f'ko ckæc vksdks gkrqj esuk% vkA
- m0 I jk; dsk fi M+xEgkfj; k iz[k.M dkdh gkrqjA
- 1- tknwkMk jæd.kh efnj eafdl xk= dsk iutk djrs gA \
- ¼A½ xs Mk ¼B½ gæce ¼C½ I kekn ¼D½ ikpjh
- m0 ¼C½
- 2- Hkriet I ekt dh vkj I sjæd.kh efnj eafdl fnu dks iutk fd; k tkrk gA \
- m0 ckl arh iutk ds Qkxw ekg ij
- 3- ckl arh iutk ds I kxw ekg ea Hkkjr nsk ds Hkriet I ekt fdl I ky cBd gpk Fkk \
- m0 Hkkjr nsk ds Hkriet 1979 dks okl arh iutk ds I kxw ekg ea cBd gøz FkhA
- 4- tknwkMk jæd.kh efnj dsfnl q uk; k ¼ iutkj h½ uke D; k gS \
- m0 tknwkMk jæd.kh efnj dsfnl w uk; k ¼ iutkj h½ dk uke vfuy fl g gA
- 5- jæd.kh efnj dk iøz dk uke D; k gS \
- m0 jæd.kh efnj dk iøz dk uke dki kMæknh ?kkV gA
- 6- dki kMæknh ?kkV dgka vofLFkr gS \
- m0 iøz fl gHkæ ftyk ds iks/dk iz[k.M varxr tknwkMk fudV jkg.kh cMækte ea gA
- 7- ?kkV* I sD; k I e>rs gS \ fdrus izdkj dk ?kkV gS \
- m0 ?kkV dk eryc tgka Luku djrk gA vkneh ds eR; q jkUr nl fnu ij dsfy, Jk) gkrh gA ml sHkh ?kkV dgk tkrk gA nks igkM+ds chp tgkajLrk xqj gS ml sHkh ?kkV dgrsgA bl izdkj I sn[kus I s ?kkV nks izdkj dk gkrk gA

- 8- Hkriet l ekt dh vks l sfnl e l jggy dgkaeuk; k tkrk gS\
 mo Hkriet l ekt dh vks l sekxkM+tkfgjk Fkku ea euk; k tkrk gA
- 9- Hkriet l ekt dk fnl e l jggy dgkaeuk; k tkrk gS\
 mo ekxkM+cq tkgjk Fkku gfj.kk ea euk; k tkrk gA
- 10- fnl e l jggy uk; k ¼ vnkjh½ dk D; k uke gSvks ml dk xks= crk; A
 mo fnl e l jggy uk; k ¼ vnkjh½ dk uke l qkkarks l jnkj gSvks xks= ^
 l kA/h* gA
- 11- ekxkM+cq eafdl xks= dk mdl kl u gS\
 mo l jggy ds i vnkjh ^ l kA/h* xks= ds gA
- 12- ekxkM+cq ½gfj.kk½ tkarkM+ckack fdruk ekstk ds xkeh.k i vnk djrs gS\
 mo pkSkl h ekstk ds xkeh.kA
- 13- ekxkM+cq dk i wZ uke D; k Fkk \
 mo ekxkM+cq dk i wZ uke ^?kkV/xk* Fkka
- 14- jtk l Økar ds ikou fnu ij >kj [k.M jkT; dsfdl txg g"lz mYykl
 l sesyk yxrk gS\
 mo >kj [k.M jkT; ds i wZ fl gHkne ftyk ds i kV/dk i [k.M] dkokyh Fkkuk
 xke gfj.kk l hek ij ekxkM+cq ds l kA/h xks= ds gkM+kkyh l kl u
 utnhd f'ko efnj] j d.kh efnj ij esyk g"lz mYykl l seuk; k tkrk
 gA bl sesyk eanij&njkt l stS k & vksM+ k] if'pe
 cakky] e/; insk l sn[kus ds fy, vks HkDr vkrs gA
- 15- gfj.kk dk cekt ckck dksfdl xks= ds yksx [kkstk Fkk \
 mo gfj.kk ds cekt ckck dks l kA/h xks= ds yksx [kkst fudkyk Fkka
- 16- Hknyk ykmtkA/h dgk; gS\
 mo cjkhkne eVd i wZ fl gHkne ftyk ds ckA/h i [k.M ea Hknyk ykmtkA/h gA
- 17- Hknyk ykmtkA/h fdl fy, ifl) gS\
 mo Hknyk ykmtkA/h gkFkh [knM+us ½gkFkh [knk½ okyk nork gA ml nork dk
 Hkriet l ekt ds xyxwfdyh ds yksx i vnk djrs gA
- 18- Hknyk ykmtkA/h ½gkFkh [knk½ ea dks uk; k ¼ vnkjh½ i vnk djrk gS\
 mo Hknyk ykmtkA/h ea gkFkh [knk nork ea Jh fxjtk id kn fl g l jnkj uke
 ds i vnkjh i vnk l ok djrs gA

- 19- ^ckjrh* l sD; k l e>rs gδ \ 0; k[; k djA
 mo ckjrh $\frac{3}{4}$ ckj \$ rh ; kuh ckfj; krh $\frac{1}{4}$ nks gkFk $\frac{1}{2}$ nksuka gkFk , d txg iz kke
 ds epnk ea $\frac{1}{2}$ miokl ea $\frac{1}{2}$ jgdj nørk dks , dkxz eu l s /; ku djus dks
 ^ckjrh* dgk tkrk gA
- 20- ckjrh fdrus izkj dk gS\
 mo ckjrh rhu izkj dk gS &
 1- ckjrh & miokl ea jguk
 2- ckjrh & nks gkFk , d= dj iz kke ds epnk ea
 3- ckjrh & eNyh idMæus grq NkMh tkus okyh fxjk dks Hkh ckjrh dgk
 tkrk gA
- 21- gkFkh [knk eafdl tho dk cfy fn; k tkrk gS\
 mo xMjk $\frac{1}{4}$ nks i k/k $\frac{1}{2}$
- 22- >kj [k.M dh nwh jh l cl s Åph igkM+dk uke D; k gS\
 mo nyek igkM+
- 23- nyek igkM+ij dks nørk gS\
 mo nyek cæk ckck $\frac{1}{4}$ 'ko $\frac{1}{2}$
- 24- nyek igkM+fdl fy, ifl n gS\ o.kz djA
 mo >kj [k.M jkT; ea nyek f}rh; l cl s Åph igkM+gA ; g ckjg Hkkxka ea
 foHkDr gA igkM+dh Åph pks/h ij f'ko ekajad.kh] bl ds vykos dbZ
 iutk LFky gA oSkk[kh i fi.kæk ij nyek eafnl øk f'kd kj ioZ gksrk gA
 pøkm+fonksj , oaHkfiæt fonksj dk 'kj.k LFkyh; Fkka nyek igkM+ij
 fgj.k] l øj oksj k] Hkkyw ck?k] gkFkh bR; kfn tæyh tkuoj jgrsgA ou
 foHkx dk vkokl l kFk gh gfj.kh vkJ; gA
 nyek igkM+ Åij fVLdks dk Vkoj gA nyek igkM+ ds uhps fMeuk
 ckak $\frac{1}{4}$ ej tkMhg ckak $\frac{1}{2}$ gA

- 25- nyek igkM+ij dc&dc intk gkrh gS\
 mo nyek igkM+ij pš l Økür vksj vkl kMh ds l e; intk gkrk gA
- 26- nyek igkM+ij fdl ekStk dk uk; k ¼ intkjh½ intk djrs gS\
 mo nyek igkM+ij pš l Økür ea cMke iz[k.M dsck/k yse ekStk ds
 uk; k intk djrk gA
- 27- nyek igkM+ij pš l Økür ij tgka intkjh intk djrk gS ml dk uke
 vksj xks= crk; A
 mo ckjnk xks= dkA
- 28- nyek igkM+ij vkl kMh intk ij fdl xks= dk intkjh intk djrk gS
 vksj ml dk uke D; k gS\
 mo nkyek cq vkl kMh intk ckjnk xks= dk intkjh intk djrk gS ftl dk
 uke-----gA
- 29- nyek igkM+vkl kMh intk dk D; k fo'kškrk gS\
 mo nyek igkM+vkl kMh intk dk fo'kškrk ; g gS fd igys nyek vkl kMh
 intk gksch rnqj kUr vl; 52 ekStk ea vkl kMh intk gkschA
- 30- fdl ekStk ds intkjh dsuke nyek igkM+nørk LFkku dk [kfr; kuh
 j\$ r gS\
 mo cjkhkæ eVd iz[k.M ckMke ekStk&dkbjk ds intkjh dsuke nyek igkM+
 nøLFky dk [kfr; ku j\$ r gA
- 31- 1832&33 ds Hkriet fonkg ds egkuk; d xæk ukjk; .k fl g dk 'kj.k L
 Fkyh; dgka gS\
 mo nyek igkM+ds ckVk ypk LFkku egkuk; d xæk ukjk; .k fl g dk 'kj.k
 LFkyh; FkkA
- 32- Hkriet fonkg ds ohj Hkjr Hkpz ka dk intk LFkku dk uke D; k gS\
 mo fdrk ikV
- 33- fdrk ikV ckæk ¼ intk½ fdl ekg ea gkrh \
 mo fdrk ikB intk ½ ko.k½ l kou ekg ea gkrh gA
- 34- fdrk ikB intk LFky ij fdl nørk dsuke intk tkrk gA
 mo tkrkM+nørk dsuke intk gkrh gA
- 35- }kjfl uh ?kkV] /kkyHkæ vksj dpyk icy l hek ds chp ds taxy vnj ea
 vofLFkr gA

- m0 }kjfl uh
- 36- gkjl huh ?kkv fdl tkfr dsintkjh intk djrk gS\
 m0 Hkffe tkfr dA
- 37- vk[kku ; k=k ek?ks intk fdl pkmjh ikB eagkrk gS\
 m0 xEgfj; k i[k.M dsfuf' prij xke ea
- 38- vkdL" k.kh ikV fdl fiM+ea vofLFkr gA
 ¼A½ [kjl koka ¼B½ ljk; dsyk ¼C½ ikrde ¼D½ dpa
 m0 ¼A½
- 39- Hksc Fkku ¼vkdks js eokvk½ dgk; ij fLFkr gS\
 ¼A½ nkei kMk ¼B½ vkVdkd h ¼C½ dkdikMk ¼D½ ik; jk tMh
 m0 ¼A½
- 40- Hkso Fkku eafdl ekg dks intk gsrk gS\
 ¼A½ ps ¼B½ oSkk[k ¼C½ vk"kk<+ ¼D½ l kou
 m0 ¼A½
- 41- pckM fontg fdl usrk dk noLFky HksoFkku* Fkk \
 ¼A½ u; u fl g ¼B½ nkepkj fl g ¼C½ txUukFk fl g ¼D½ yky fl g
 m0 ¼A½
- 42- Hkffet fontg ds usrk fdjik yk; k fdl LFky dks intk LFky cuk; k Fkk \
 ¼A½ ,jk Mqjh ¼A½ fyikbñ kv ¼A½ ; pk ikV ¼A½ ekBk ikV
 m0 ¼B½
- 43- ftjik yk; k fdl xks= dk Fkk \
 ¼A½ l kekn ¼B½ djbk ¼C½ gkd nk ¼D½ mcj l kMh
 m0 ¼D½
- 44- ftjik yk; k dks dgka Qkd h fn; k x; k \
 m0 iq fy; k ftyk] Fkkuk cyjkeig ds uhyd/h cMknk% eA
- 45- Hkso Fkku fdl ?kkv fdukjs gS\
 m0 fupkM+?kkv utnhd eA

- 46- MkaMw iKV eafdl tkfr dsyxs iutk djrs gS\
 ¼A½ Hkriet ¼B½ l fky ¼C½ gks ¼dkMek½ ¼D½ mjko
 mo ¼A½
- 47- ikd.kk cq ea ¼vksM+ k½ fdl nørk dh iutk gksh gS\
 ¼A½ ek?k ¼B½ cq ¼C½ tkarkM+ ¼D½ gknh ¼ jgy½
 mo ¼C½
- 48- ikd.kk cq eafdl l e; iutk gksh gS\
 mo bñh jA
- 49- ikd.kk cq jsfdl tkfr vks fdl xks= ds iutk djrk gS\
 mo Hkriet tkfr ds gēce xks=A
- 50- dkygku iē.My ds Hkriet tkfr dk fnl e ek?k cq iutk dgka gksh gS\
 mo iwhz fl gHkne] iks/dk i[k.M varxñ tñ/h xko eA
- 51- fl ynk eafdl tkfr dsyxs iutk djrs gS\
 mo Hkriet tkfr dA
- 52- fl ynk dgka vofLFkr gS\
 mo enuhij ftyk iKVk fodkk eA
- 53- tkfgjk LFkku l sD; k l e>rs gS\
 mo xte l hek varxñ fu/kkñjr LFkku ij xte ds uk; k ¼ iutk jh½ nøjh l ky
 ¼ kdok½ o{ k ds uhps iutk djrs gS dks tkfgjk LFkku l e>rs gA
- 54- Hkriet l ekt ds xteka eafdu&fdu izdkja ds tkfgjk LFkku gS\
 mo 1- igkM+nøh tkfgjk 2- l jgy iutk tkfgjk
 3- ek?k iutk tkfgjk 4- tkUrKM+iutk tkfgjk
 5- vkl kMh ckæck tkfgjk 6- xkjke iutk tkfgjk
 7- l ðnj k iutk tkfgjk 8- xkBku gkMh iutk LFkku
- 55- fej tkMhg ckæck ¼Meuk½ fdl igkM+ds uhps gS\
 mo nyek cq ¼ gkM½ ds uhps

- 56- ikrkyij c&k ckok ¼'ko½ nørk fdl xte ea gA
 m0 ljk; dsk fi M ¼Nkj ¼ i [k.M xEgfj; k ds dkdh xkø eA
- 1- tkfgjk ea dksu intk djrk gS \
 ¼a½ ik.khxkgh ¼b½ uk; k ¼c½ nõjh ¼d½ tkø
 m0 ¼b½
- 2- i upk; fnjh vkdkj dk fofn; k \
 ¼a½ xkl .kh ¼b½ pkd js ¼c½ nõkj js ¼d½ gkM+kkyh js
 m0 ¼b½
- 3- md'kkl u ph gkM+kkyh js fp; k dks rk; ksvkA
 ¼a½ fnjh ¼b½ fl e cksv ¼c½ tká pkVq ¼d½ dñqHkh ugha
 m0 ¼c½
- 4- ?kkV Åe js vkdkj uk; k \
 ¼a½ ekew ¼b½ uk; k ¼c½ nõjh ¼d½ i.k.khxkgh
 m0 ¼d½
- 5- vkdkj bfn dks yqj rdÅ gq vk \
 ¼a½ dkMk dks bfn dks ¼b½ gku fel h cgukZ bfn dks ¼c½ eke&ekeh
 uk; k
 m0 ¼b½
- 6- vkbZ e ykn vkdkj dks nkMkes k \
 ¼a½ xkMk js ¼b½ vkMk%js ¼c½ ckMxh js ¼d½ vk[kMk js
 m0 ¼b½
- 7- nkukjke vkdkj dk dksxk vk \
 ¼a½ dyh js ¼b½ vkMk%js ¼c½ b.Mh@nõkj js ¼d½ jkpjs
 m0 ¼c½
- 8- dñw/ke vkdkj dks ckæk vk \
 ¼a½ vkfn vkMk%v js ¼b½ pknk; ykrkj js ¼c½ dyh nõkj js ¼d½
 dye js
 m0 ¼b½
- 9- ikf'pr ikbZ/h vkdkj ikbZ/h vk \

- $\frac{1}{a}\frac{1}{2}$ uk; k $\frac{1}{b}\frac{1}{2}$ ncjh $\frac{1}{c}\frac{1}{2}$ ik.khxkgh $\frac{1}{d}\frac{1}{2}$ tku
 m0 $\frac{1}{e}\frac{1}{2}$
- 10- ukek vkMk% okbz js >nyh xkMMw vksdks yk% me dMš k \
 $\frac{1}{a}\frac{1}{2}$ uk; k $\frac{1}{b}\frac{1}{2}$ djqy $\frac{1}{c}\frac{1}{2}$ vks>k $\frac{1}{d}\frac{1}{2}$ tgka xs
 m0 $\frac{1}{b}\frac{1}{2}$
- 11- gkjsu&fojhu js k ,js vksdks jki qns k \
 $\frac{1}{a}\frac{1}{2}$ vks>k $\frac{1}{b}\frac{1}{2}$ tkau $\frac{1}{c}\frac{1}{2}$ okeM+ $\frac{1}{d}\frac{1}{2}$ ekew
 m0 $\frac{1}{b}\frac{1}{2}$
- 12- Hkfiet vksdks ifjokj Hkk"kk \
 $\frac{1}{a}\frac{1}{2}$ nfoM+ $\frac{1}{b}\frac{1}{2}$ vk; l $\frac{1}{c}\frac{1}{2}$ vkXuš ifjokj $\frac{1}{d}\frac{1}{2}$ rsyxq
 m0 $\frac{1}{e}\frac{1}{2}$
- 13- Hkfiet tkfr dkokv vk; kj Hkk"kk fp; k \
 $\frac{1}{a}\frac{1}{2}$ lldr $\frac{1}{b}\frac{1}{2}$ cakyk $\frac{1}{c}\frac{1}{2}$ Hkfiet VMkMk% $\frac{1}{d}\frac{1}{2}$ Qkj l h
 m0 $\frac{1}{e}\frac{1}{2}$
- 14- n Hkfiet fjHkkyV vksdks xkykax ysvk \
 $\frac{1}{a}\frac{1}{2}$ jke n; ky eqMk $\frac{1}{b}\frac{1}{2}$ oho iho dš jh
 $\frac{1}{c}\frac{1}{2}$ to l ho >k $\frac{1}{d}\frac{1}{2}$ l ukru l jnkj
 m0 $\frac{1}{e}\frac{1}{2}$
- 15- ^ohj Hkfiet vy eqMk* l ekt ds ykska dk dgkor gš &
 $\frac{1}{a}\frac{1}{2}$ nhdq $\frac{1}{b}\frac{1}{2}$ l fky $\frac{1}{c}\frac{1}{2}$ gks $\frac{1}{d}\frac{1}{2}$ yMek $\frac{1}{e}\frac{1}{2}$ cakyh
 m0 $\frac{1}{e}\frac{1}{2}$
- 16- Hkfiet dksd vksdks l ekt dks er%k ^dMweMk*A
 $\frac{1}{a}\frac{1}{2}$ mjkd $\frac{1}{b}\frac{1}{2}$ yMek $\frac{1}{c}\frac{1}{2}$ l fky $\frac{1}{d}\frac{1}{2}$ ekgyh
 m0 $\frac{1}{e}\frac{1}{2}$
- 17- mjkd ds vksd% l ekt uęwgkdk ftvk \
 $\frac{1}{a}\frac{1}{2}$ l fky $\frac{1}{b}\frac{1}{2}$ eqMk $\frac{1}{c}\frac{1}{2}$ Hkfiet $\frac{1}{d}\frac{1}{2}$ yMek
 m0 $\frac{1}{b}\frac{1}{2}$
- 18- v; sM.Mk gkrq vksdks js esuk% vkA
 $\frac{1}{a}\frac{1}{2}$ fot; ckMk $\frac{1}{b}\frac{1}{2}$ jkph $\frac{1}{c}\frac{1}{2}$ iykew $\frac{1}{d}\frac{1}{2}$ iq fy; k
 m0 $\frac{1}{e}\frac{1}{2}$

**I ekt dsifrf"Br 0; fDr ,oa
vxqkbZdjusokylaea**

- 1- Loo I g'sk fl g I jnkj & jskMhg
- 2- Loo cð'oj I jnkj & gkdkbZ
- 3- Loo I g'sk I jnkj & nkeMhg
- 4- Loo bZoj fl g I jnkj & fiNyh
- 5- Loo dkfdy fl g I jnkj & d'skl kbZ

>kj [k.M vlnhsyudkjh

- 1- Loo yky eksu I jnkj & d".kki g ¼/kfnR; i g ½
- 2- Loo I Hkk"k I jnkj & bPNki g ¼/kfnR; i g ½
- 3- Loo ckxq I jnkj & dyq Vkak ¼/kfnR; i g ½
- 4- Loo bZoj I jnkj & d'ske ¼/kbydj k ½
- 5- Loo Mksu fl g eqMk & iVenk
- 6- Loo /kuat; I jnkj & jk; ekjk ¼/dk.Mk ½
- 7- Loo gkMh'ke I jnkj & i wZ fo/kk; d ¼/ik/dk ½
- 8- Loo y[khjk; I jnkj & cMk fl xnh ¼/Dec) tkjh ½

>kj [k.M vlnhsyudkjh

- 1- Hkxr jat u fl g & iVenk
- 2- /kuifr I jnkj & I jk; d'sk
- 3- 'kSybnz I jnkj & gkrk ¼/rjhax ½
- 4- veW; I jnkj & i wZ fo/kk; d] i k/dk
- 5- /kj.kh fl g eqMk & gsu ¼/ueMhg ½
- 6- y[khjk; I jnkj & cMk fl xnh
- 7- 'k=qku I jnkj & iko: ¼/gkrk ½
- 8- I q su I jnkj & gkrk ¼/Dec) tkjh ½

Het l ekt dsy{kd

- 1- usyes nLryj & y{dw l kekn] d{knk
- 2- vksy pnsu & y{dw l kekn] d{knk
- 3- vkfne gkMks tkfr dk ikphu bfrgkl , oa or{ku fLFkfr & e{kk yky l jnkj] ikyhMhg
- 4- jathr l jnkj] pkmMh
- 5- 'kghn xaxk ukjk; .k fl { & ds ds fl {] te'knig
- 6- ekajd.kh dh vnHkr efgek & fnusk l jnkj] ekVhxkMh
- 7- t{ku 1/4gnh1/2 & iks vry l jnkj] dk'kh l kgqdkWyst] l jk; dsyk
- 8- vkfnokl h dk vlRro vksj etj [k.M dk vlLerk , oa vkfn /keZ & Loo jke n; ky eqMk] i{Z dyifr] jkph fo'ofok;]
- 9- ekuw l jnkj & l ekt l {h] tkueMhg
- 10- ij.kk & ; {/k{Bj l jnkj] xEgkfj; k

Het l adk ikjEifjd ok| ; a

- 1- fxMh eknM+
- 2- nkmn eknM+
- 3- ukxMh
- 4- pMpMh
- 5- >kje
- 6- djrky
- 7- ?k{/h
- 8- : rq
- 9- ckuke
- 10- 'kadok
- 11- c{pkax

Hiet Hk'k eaekg

ekg	Hiet eapMq
1- ek?k	l φk pkMq
2- Qkxuu	ckgk pkMq
3- pŕ	t ks pkMq
4- oŕkk [k	tka' pkMq
5- tB	tŕ/s pkMq
6- vk"kk<+	xkek pkMq
7- l kou	t kjxh pkMq
8- Hkknz	jæst pkMq
9- vkf'ou	bfl u pkMq
10- dkfržd	f'kf'kj pkMq
11- vkxgu	dkjke pkMq
12- iŕ	jkokax pkMq

Hiet l ekt fo/k; dx.k

- 1- Loo gfjin fl g & i kŕ/dk fo/kkul Hkk {ks=
- 2- Loo l ukru l jnkj & i kŕ/dk fo/kkul Hkk {ks=
1/4cgkj l jdkj ea fl pkbz ea=h½
- 3- Loo gkMh jke l jnkj & i kŕ/dk fo/kkul Hkk {ks=
- 4- Loo jeŕk fl g eqMk & rkekM+fo/kkul Hkk {ks=
- 5- Nk=i fr 'kkgh eqMk
- 6- veŕ; l jnkj & i kŕ/dk fo/kkul Hkk {ks=

- 7- eph jk; fl g eqMk
- 8- uhy dB fl g eqMk
- 9- Jherh esdk l jnkj & i k/dk fo/kkul Hkk {ks=

[ky ,oaml l stMsi frf"Br 0; fDr

- 1- t; iky fl g eqMk &
gkWh] vrjkzVh; gkWh f[kykMh
- 2- egWhz fl g l jnkj &
rhjnk] if'k{kd] jk"Vh; Lrj rhjnk
- 3- Loo xEHkhj fl g &
NÅ uR;] ikrde
- 4- l kkk" k l jnkj &
fijdky] jkxMk l kbZ ¼ i k/dk ½

Het l ekt dsxl@irhd vlg fu'kk

	xl=	irhd	fucm
1-	i Ûkh	, d i Ûkk rkmuk	0; ogkj djuk
2-	dkş yk	i {kh	ekjuk ; k [kkuk
3-	xqyw	eNyh	ekjuk ; k [kkuk
4-	gfcæ	, d rjg dk oknke	[kkuk
5-	dfp; k	, d rjg dk eNyh	ekjuk ; k [kkuk

- | | | |
|------------|--------------------|-----------------|
| 6- gkđ nk | tæyh gđ | ekjuk ; k [kkuk |
| 7- ukx | ukx l kđ | ekjuk |
| 8- i kbžk | dcrj | ekjuk ; k [kkuk |
| 9- xkj\$ k | xkj\$ k ¼ d i {kñ½ | ekjuk ; k [kkuk |

Hfet dk d'k vkt kj

- | | | | |
|--------------------|---------------|-----------------|--------------|
| 1- uky vkj vkj kM+ | 2- ekbž | 3- >kck | 4- l kcm+ |
| 5- dlykl h | 6- dnyke | 7- dkā ph | 8- i kfp; k% |
| 9- fl Vdh | 10 >Mh | 11- Vndh | 12- gkVk% |
| 13- nkrje | 14- xkfN; k%ñ | 15- dq M+ | 16- dkdpk% |
| 17- tkduh | 18- ckjkbž | 19- l kxkM+xkMh | |
| 20- ckMxh | 21- tkr | 22- tkr | 23 dkrq |

Hfet læk dyk f'ki

- | | | | |
|-----------------|--------------|--------------|-------------|
| 1- ekn Nkrk | 2- ekn | 3- ekn jkck | 4- ekn Vkvh |
| 5- ekn tksksv | 6- ekn >hejh | 7- dk'ksjkck | 8- i kvk |
| 9- tkathj | 10- fMyh | 11- fMdh | 12- xqww |
| 13- yplbz Vks h | 14- tkVh | 15- dkyxh | 16- i MhÅ |

Hfet Hk'k eal e;

- | | | | |
|-------------|------------|----------|--------------|
| e/; jkf= | ekjk%v jk% | i wkgu | frfdu fl æh |
| eqkz cksyh | l he jk% | vi jkg.k | rkjk fl æh |
| Hkksj 4 cts | bžkax rs | 'kke | fl æh gkl gj |

l ɸg 5 cts	l s k%	l á; k	fl æh Mɸk
l ɸg	eškdky	xknyh csyk	uqæ
l w kñ;	fl æh jkdkc	jk r	vk; ɸ
10 ctsfnu	ckl h; ke	jkf=	funk
12 ctsfnu	ekjka ckl h; ke	e/; jkf=	ekjk% jk%

ppM+; k Hiet fonlg l sl æ/kr foøj.k

Øe	l ky	uke	txg
1	1767	nkekñj fl ɸ	?kkVf'kyk nkei kMk cun pkdɸy; k dkd i kMk
2	1767	/kq i ukjk; .k fl ɸ	'; kel ɸnj i j
3	1775	food ukjk; .k fl ɸ	cj kHkæ
4	1792&93	txu fl ɸ	>kynk
5	1793&94	ekgkno fl ɸ	ckxeɸs
6	1794	pŕu fl ɸ	irde
7	1794	vkun fl ɸ	jkex<+
8	1799	l ɸnj ukjk; .k fl ɸ	Qy dɸek
9	1799	i kpq fl ɸ] /kuat; fl ɸ	jk; i j
10	1794&1809	l kui ky fl ɸ	dɸy ki ky
11	1792&1793	xkM+ukjk; .k fl ɸ	i kps
12	1802	yky fl ɸ	cj kHkæ
13	1810	oškukFk fl ɸ	nkei kMk
14	1810	j?kqkFk fl ɸ	?kkVf'kyk] /kkyHkæ

15	1810	u; u fl ə	nkei kMk
16	1810	y{e.k fl ə	cj kHkæ
17	1817	j?kukFk fl ə	pkruk
18	1832	txthou fl ə	dk' khi ġ
19	1832	Hkjr fl ə Hkɔz k	i Venk cj kHkæ
20	1832	ftjik fl ə yk; k	cj kHkæ
21	1832&1833	xak ukjk; .k fl ə	tax egy
22	1832	txthou fl ə] vkun yky fl ə	dk' khi ġ
23	1832&1833		i kʌ/dk] gYnhi kʌ[kj
24	1833		nhxkj ekjk gYnhi kʌ[kj
25	1857	vtɔ fl ə	i kjk gkV
26	1857	l jnkj dk' khukFk fl ə	t; i ġ
27	1857	l jnkj gfjg fl ə	>kynk
28	1857	l jnkj epɔn ukjk; .k fl ə	eucktkj
29	1857	fuye.kh fl ə	i pdkʌ/
30	1793	LFkkbZ Hkfe fcUnkɔLrh dkuu	
31	1800	jhi kʌ/ jk; i ġ dk' khi ġ	
32	1805	jxɔyʌku 27	cj kHkæ fojHkæ ckɔɔ/ɔk ekucktkj] /kkyHkæ
33	1793	jxɔyʌku 22	ifyl Fkkuk ujfl əx<+ tax {kʌ= ea ikbʌ fnxkj l jnkj
34	1814	enuhi ġ fjikʌ/	14 rjQ 284 l jnkj 480 ?kVoky
35	1805	tehunkj dkuu	

36	1821	?kVokyh I e>krk	
37	1824	ijEijkxr dkuu dh guu	
38	1817	jxgy'sku 12	dš jx<+jkex<+
39	1781	ekuHkæ uokx<+>kynk >fj; k	fojHkæ
40	1799	pkruk	
41	1800	jxgy'sku 10	I kel ũnj Qy dũek

Hfiet fjHkV 1832&33 ¼ xnh'k plnz >k½

Hfiet Hk'k ijHk grqr\$ kj izu&i = dsl xgdũkz

1	I ũ'kz I jnkj	& v/; {k All India Tribale Bhumij Council
2	iks vrgy I jnkj	& dk'kh I kgq dkWyst] I jk; dšy
3	Hkkuw I jnkj	& I ektI ũh] xke & tkuŕMhg] gfj.kk
4	fl)šoj I jnkj	& v/; {k] J.T.B. Council >kj [k.M
5	gfj'k Hkfiet	& I fpo] J.T.B. Council >kj [k.M
6	yLdw I jnkj	& y[kd uye ni rj] dũknk] te'kni g
7	fnuš k I jnkj	& I ektI ũh] xke & tkuŕMhg] gfj.kk
8	foHkh" k. k I jnkj	& I ektI ũh] xke & cMk fl xnh] i kš/dk
9	thrsu I jnkj	& I ektI ũh] pkdŕy; k iz[k.M dk; kšy;
10	I kšw I jnkj	& I o f'ko I g I fpo] J.T.B. Council xEgfj; k Cykũ
11	eš kyky I jnkj	& I gk; d f'k{k d I g I ektI ũh]

J.T.B. Council te'kniġ

- 12 x.kk I jnkj & uk; k] i.k.Mk] I jk; dsk
- 13 dkyhpj.k I jnkj & l o f'ko u&Vkl kb] dkykohjk
- 14 xkiky fl g I jnkj & l ektl dh] J.T.B. Council uheMhg
- 15 l ġu I jnkj & v/; {k] J.T.B. Council jktuxj
- 16 jkein I jnkj & mik/; {k] J.T.B. Council jktuxj
- 17 euql jnkj & l o f'ko l g l ektl dh] dk.Mk
- 18 ghjk yky fl g I jnkj & l ektl dh l g fyfi d] iġk.M dk; kzy;
xEgfj; k
- 19 fryd fl g I jnkj & l ektl dh l g eq[k; k] uokx<+i pk; r
- 20 gjd".k fl g & l fpo] J.T.B. Council uheMhg iġk.M
- 21 dynhi fl g & l ġ{kd] J.T.B. Council xEgfj; k
- 22 e/kqfl g I jnkj & v/; {k] J.T.B. Council xEgfj; k
- 23 ogLifr I jnkj & l ektl dh] J.T.B. Council xEgfj; k] pkaMy
- 24 l ħkk" k I jnkj & l ektl dh] jkxMkl kb] gfj.kk
- 25 i'kqfr I kekn & l ektl dh] dqknk] te'kniġ
- 26 ckl rh I jnkj & l ektl dh] fi Nyh] tknwkk&Mk
- 27 dkyhpj.k I jnkj & l o f'ko l g J.T.B. Council xEgfj; k

>kj[k.M Vnbzy Hmet dmal y }kjk vk; ktr
Hmet Hk'k ijh{k grqizuladk mukj l dyuA

*ij.kk ekmy izu&mulj dh ik: i >kj[k.M Vnbzy Hmet Hk'k dsijh{k ea imstlus
okysl Hkor izuladlsgy fd; k x; k gA*