

'kfDr u gksuk

- 7- fo'ofok|ky; ds mn~ns';
 8- fo'ofok|ky; dh 'kfDr;ka
 9- fo'ofok|ky; esa lHkh oxZ] tkfr ,oa fyax dh
 igqap gksxh 10- jk"V^ah; izR;k;u

- v;/k; & rhu
 fo'ofok|ky; ds vf/kdkjh
 11- fo'ofok|ky; ds vf/kdkjh
 12- dqyk/;{k ¼foftVj½
 13- dqykf/kifr
 14- izfr&dqykf/kifr
 15- dqyifr
 16- izfr&dqyifr
 17- dqy lfpo
 18- ladk;k/;{k
 19- foRr vf/kdkjh
 20- vU; vf/kdkjh x.k
 v;/k;&pkj
 fo'ofok|ky; ds izkf/kdkjh
 21- fo'ofok|ky; ds izkf/kdkjh
 22- O;oLFkkid e.My o mldh 'kfDr;ka
 23- izcU/k e.My
 24- fo|k ifj"kn
 25- foRr lfefr
 26- vU; izkf/kdj.k
 27- fjfDr ds dkj.k dk;Zokgh dk vfof/kekU; u

gksuk

- v;/k;&iakap
 ifjfu;e vkSj fu;e
 28- ifjfu;e
 29- ifjfu;e dSls cuk;s tk;saxs
 30- ifjfu;e la'kks/ku djus dh 'kfDr
 31- fu;e
 32- fu;e dSls cuk;s tk;saxs
 33- fu;eksa dks la'kksf/kr djus dh 'kfDr

v;/k;&N
 izdh.kZ

- 34- mRrjk[k.M ds LFkk;h fuokfl;ksa ds fy, micU/k
 35- deZpkfj;ksa dh lsok 'krsZ
 36- vihy dk vk/kkj
 37- Hkfo"; fuf/k ,oa isa'ku
 38- fo'ofok|ky; izkf/kdj.k vkSj fudk;ksa ds xBu ds ckjs esa fookn
 39- lfefr;ksa dk xBu
 40- vkdfLed fjfDr;ksa dh iwfrZ

- 41- lnHkkoukiwoZd dh xbZ dk;Zokgh ds fy, laj{k.k
 42- laØe.kdkyhu micU/k
 43- LFkk;h foU;kl fuf/k
 44- lkekU; fuf/k
 45- fodkl fuf/k
 46- fuf/k dk vuqj{k.k
 47- okf"kZd izfrosnu
 48- ys[kk o ys[kk ijh{k.k
 49- fo'ofok; ds vfHkys[k dks fl) djus dh jhfr
 50- fo'ofok; dk fo?kVu
 51- fo'ofok; ds fo?kVu ds le; fo'ofok; ds O;;
 52- dfBukbZ;ksa dk fujkdj.k

enjpgqM fo'ofok;

vf/kfu;e] 2014

ømRrjk[k.M vf/kfu;e la0

05o"kZ 2015À

rduhdh f'k{k.k] mPp f'k{k.k] fpfdRlk ,oa nUr fpfdRlk f'k{k.k] fof/k f'k{k.k]
 mM~M;u f'k{k.k] lkekftd foKku] lkekU;

foKku ,oa vU; {ks=ksa dh f'k{k.k] izf'k{k.k ,oa 'kks/k dk;Z ls lEcfU/kr f'k{k.k]
 iznku djus ds mn~ns'; ls] lkslkbVh jftLV^as'ku

vf/kfu;e] 1860 ds v/khu iathd`r ßenjpgqM baLVhV~;wV vkWQ eSustesaV „M
 VsDuksykth lkslkbZVh] :Mdh }kjk izk;ksftr enjpgqM

fo'ofok;] :Mdh uked futh fo'ofok; dh LFkkiuk ,oa mlds fuxeus ds fy,

अधिनियम

Hkkjr x.kjT; ds iSlBosa o"kZ esa mRrjk[k.M fo/kku lHkk }kjk fuEUfyf[kr
 vf/kfu;e cuk;k tkrk gS%&

v/;k

; &

,d

izkjf

EHk

d

laf{kIr uke ,oa 1- ¼1½ bl vf/kfu;e dk laf{kIr uke enjpgqM fo'ofok;

vf/kfu;e] 2014 gSA

izkjEHk ¼2½ ;g jkT; ljdkj }kjk] vf/klwpuk tkjh fd;s tkus dh rkjh[k ls
 izo`Rr gqvk le>k tk;sxA

ifjHkk"kk,a 2- tc rd fd lUnHkZ esa vU;Fkk dksbZ visf{kr u gks] bl
 vf/kfu;e esa %&

$\frac{1}{4}d\frac{1}{2}$ ^fo|k ifj"kn~^ ls fo'ofok|ky; ds fo|k ifj"kn~ vfHkizsr gS(
 $\frac{1}{4}[k\frac{1}{2}$ ^izkf/kdkjh^ ls fo'ofok|ky; ds izkf/kdkfj;ksa vfHkizsr gS(
 $\frac{1}{4}x\frac{1}{2}$ ^O;oLFkkid e.My^ ls fo'ofok|ky; ds O;oLFkkid e.My
 vfHkizsr gS(
 $\frac{1}{4}?k\frac{1}{2}$ ^izca/k e.My^ ls fo'ofok|ky; ds izca/k e.My vfHkizsr gS(
 $\frac{1}{4}M\frac{1}{2}$ ^ikB~;Øe e.My^ ls fo'ofok|ky; ds ikB~;Øe e.My vfHkizsr
 gS(
 $\frac{1}{4}Pk\frac{1}{2}$ ^ijh{kk e.My^ ls fo'ofok|ky; dh ijh{kk e.My vfHkizsr gS(
 $\frac{1}{4}N\frac{1}{2}$ ^dqykf/kifr^] *izfrdqykf/kifr* ^dqyifr^] ^izfrdqyifr^]
 ^dqy lfpo^] ^ijh{kk fu;a=d^ ,oa ^foRr vf/kdkjh^ ls Øekuqlkj
 fo'ofok|ky; ds ^dqykf/kifr^] *izfrdqykf/kifr* ^dqyifr^] ^izfrdqyifr^]
 ^dqy lfpo^] ^ijh{kk fu;a=d^ ,oa ^foRr vf/kdkjh^ vfHkizsr gS(
 $\frac{1}{4}t\frac{1}{2}$ ^iflj^ ls fo'ofok|ky; ds iflj vfHkizsr gS(
 $\frac{1}{4}>\frac{1}{2}$ ^la?kVd egkfo|ky;^ ls fo'ofok|ky; }kjk vuqjf{kr rFkk
 izcfU/kr dksbZ egkfo|ky; ;k laLFkk vfHkizsr gS(
 $\frac{1}{4}'\frac{1}{2}$ ^dSfj;j ,dsMeh lS.Vj^ ls ,sls dsUnz vfHkizsr gS] tks
 fo'ofok|ky; }kjk LFkkfir] ekU; ,oa vuqjf{kr gks] ftldk mi;ksx
 nwjn`; izlkj.k izklr djus] bZ&esy] b.VjusV] ikjLifjd laokn]
 izf'k{k.k] O;k[ku] xks"Bh ,oa dk;Z'kkyk vk;ksftr djus]
 fo|kfFkZ;ksa ds fy, lykg] ijke'kZ ,oa vU; lgk;rk ds mn~ns'; ls fd;k
 x;k gks(
 $\frac{1}{4}V\frac{1}{2}$ iflj ds ^funs'kd^ ;k la?kVd egkfo|ky; ds lEcU/k esa
 izkpk;Z@Mhu ls ml iflj ;k la?kVd egkfo|ky; dk iz/kku
 vfHkizsr gS vkSj tgka izkpk;Z@Mhu ugha gS] mi izkpk;Z
 ;k rRle; izkpk;Z@Mhu ds #i esa dk;Z djus ds fy, fu;qDr
 dksbZ vU; O;fDr Hkh lfEefyr gS(
 $\frac{1}{4}B\frac{1}{2}$ ^nwjLFk f'k{kk i)fr^ ls jkT; ds Hkhrj f'k{kk dh og i)fr
 vfHkizsr gS] ftlesa f'k{k.k ds fy, ,sls lwpuk izkS|ksfxdh
 vkSj lapkj ek;/;eksa tSls eYVhehM;k] izlkj.k] nwj n`; izlkj.k
 $\frac{1}{4}VsyhdkfLVax\frac{1}{2}$] b.VjuSV ij vkWuykbZu]
 nwjlapkj dh vU; ikjLifjd fof/k;ka] bZ&esy] b.VjuSV]
 dE;wVj] ikjLifjd laokn] bZ&yfuZx] i=kpkj ikB~;Øe]
 xks"Bh] lEidZ dk;ZØe ;k ,sls fdllh nks ;k vf/kd ek;/;eksa dk
 la;qDr #i ls mi;ksx fd;k x;k gks(
 $\frac{1}{4}M\frac{1}{2}$ ^tek jkf'k^ ls fo'ofok|ky; }kjk Nk=ksa ls fy;s x, ,Slh jkf'k
 vfHkizsr gS] tks fd okilh ;ksX; gS(
 $\frac{1}{4}<\frac{1}{2}$ ^Lkadk;k/;{k^ ls fo'ofok|ky; ds ladk;k/;{k vfHkizsr gS(
 $\frac{1}{4}.k\frac{1}{2}$ *foHkkx* ls fo'ofok|ky; ds foHkkx $\frac{1}{4}'kSf\{kd bdkbZ\frac{1}{2}$
 vfHkizsr gS ftlesa ,d ;k ,d ls vf/kd fo"k;ksa esa v/;;u o
 'kks/k dk;Z fd;k tk jgk gks(

$\frac{1}{4}r\frac{1}{2}^{\wedge}deZpkjh^{\wedge}$ ls fo'ofok|ky; }kjk fu;qDr fdlh deZpkjh
 vfHkizsr gS vkSj bls vUrxZr fo'ofok|ky; }k fdlh la?kVd
 egkfo|ky; ds v;/kid vkSj vU; deZpkjh Hkh lEefyr gS(
 $\frac{1}{4}Fk\frac{1}{2}^{\wedge}$ foRr lfefr^ ls fo'ofok|ky; dh foRr lfefr vfHkizsr gS(
 $\frac{1}{4}n\frac{1}{2}^{\wedge}$ ladk;^ ls fo'ofok|ky; dh ladk; vfHkizsr gS(
 $\frac{1}{4}/k\frac{1}{2}^{\wedge}$ 'kqYd^ ls fo'ofok|ky; }kjk Nk=ksa ls fy;s x, ,slh jkf'k
 vfHkizsr gS tksfd 'kqYd ds rgr vkrh gS ,oa okilh ;kX; ugha
 gS(
 $\frac{1}{4}u\frac{1}{2}^{\wedge}$ ljdkj^ ls mRrjk[k.M ljdkj vfHkizsr gS(
 $\frac{1}{4}i\frac{1}{2}^{\wedge}$ gky^ vFkok ^Nk=kokl^ ls fo'ofok|ky; vFkok la?kVd
 egkfo|ky; }kjk vuqjf{kr rFkk ekU; Nk=ksa ds vkokl dh
 bdkbZ vfHkizsr gS(
 $\frac{1}{4}Q\frac{1}{2}^{\wedge}$ enjgqM baLVhV~;wV vkWQ eSustesaV „M
 VsDuksykth lkslkbVh+^ ls lkslkbVh jftLV^ahdj.k vf/kfu;e]
 1860 ds v/khu jftLV^ahd`r lkslkbZVh vfHkizsr gS] ftldk
 jftLV^ahd`r dk;kZy; xzke djksnha] iksLV Hkxokuqij] :Mdh
 esa vofLFkr gS(
 $\frac{1}{4}c\frac{1}{2}^{\wedge}$ izk;ksftr laLFkk* $\frac{1}{4}$ izeksfVax lkslkbVh $\frac{1}{2}$ ls lkslkbVh
 jftLV^ahdj.k vf/kfu;e] 1860 ds rgr jftLV^ahd`r lkslkbVh]
 enjgqM baLVhV~;wV vkWQ eSustesaV „M VsDuksykth
 lkslkbVh b] vfHkizsr gS(
 $\frac{1}{4}Hk\frac{1}{2}^{\wedge}$ fofgr^ ls ^ifjfu;eksa }kjk fofgr* vfHkizsr gS(
 $\frac{1}{4}e\frac{1}{2}^{\wedge}$ LFkk;h fuoklh^ ls jkT; ds ,sls fuoklh vfHkizsr gS ftlds
 ikl jkT; ljdkj }kjk le;≤ ij cuk;s x;s fu;eksa ds vuqlkj
 mÙkj[k.M jkT; esa ewy fuokl@LFkk;h fuokl dk oS/k
 izek.k i= gks(
 $\frac{1}{4};\frac{1}{2}^{\wedge}$ {ks=h; dsUnz^ ls ,sls dsUnz vfHkizsr gS] ftldh LFkkiuk
 ;k vuqj{k.k fo'ofok|ky; }kjk fdlh {ks= esa fLFkr v;/;u
 dsUnzksa ds leUo;] Ik;Zos{k.k rFkk ,sls dsUnz esa vU;
 iznRr dk;ksZ ds fu"iknu ds mn~ns'; ls izcU/k e.My }kjk
 fd;k x;k gks(
 $\frac{1}{4}j\frac{1}{2}^{\wedge}$ jkT;^ ls mRrjk[k.M jkT; vfHkizsr gS(
 $\frac{1}{4}y\frac{1}{2}^{\wedge}$ ifjfu;e^] ^fu;e^ vkSj v;/kns'k^ ls fo'ofok|ky; ds
 ^ifjfu;e^] ^fu;e^ vkSj ^v;/kns'k* vfHkizsr gS(
 $\frac{1}{4}o\frac{1}{2}^{\wedge}$ v;/;u dsUnz^ ls fo'ofok|ky; }kjk ekU;rk izklr ,sls dsUnz
 vfHkizsr gS] ftldh LFkkiuk ,oa vuqj{k.k fo|kfFkZ;ksa
 dks lykg] ijke'kZ ;k vU; lgk;rk iznku djus ds mn~ns'; ls fd;k
 x;k gks(

$\frac{1}{4}k^{\frac{1}{2}}$ ^v/;kid^ ls vkpk;Z] lg vkpk;Z] lgk;d vkpk;Z@O;k[;krk
 ,oa ,sls vU; O;fDr vfHkizsr gS] ftlls fo'ofok; ;k bls fdlh iflj
 ;k fdlh la?kVd egkfo|ky; esa f'k{kk iznku djus] ;k 'kks/k
 dk;Z ds lapkyu ds fy, fo'ofok; vuqnku vk;ksx ds ekun.Mksa
 ds vuq#i fu;qDr fd;k tk;s vkSj bls vUrxZr fdlh iflj
 dk funs'kd ;k la?kVd egkfo|ky; dk izkpk;Z@Mhu Hkh vkrk
 gS(
 $\frac{1}{4}k^{\frac{1}{2}}$ ^;w0th0lh0* ls fo'ofok; vuqnku vk;ksx vf/kfu;e]
 1956 ds v/khu LFkkfir fo'ofok; vuqnku vk;ksx vfHkizsr
 gS(
 $\frac{1}{4}l^{\frac{1}{2}}$ ^fo'ofok;^ ls bl vf/kfu;e ds v/khu izLrkfor enjgqM
 fo'ofok; vfHkizsr gS(
 $\frac{1}{4}g^{\frac{1}{2}}$ *fudk;* ls fo'ofok; dk fudk; vfHkizsr gS(
 $\frac{1}{4}\{k^{\frac{1}{2}}$ ^dqyk/;{k^ $\frac{1}{4}$ foftVj $\frac{1}{2}$ ls fo'ofok; ds dqyk/;{k
 vfHkizsr gSA

v/;k; & nks

fo'ofok; ds mn~ns';

fo'ofok; dh 3- $\frac{1}{4}1^{\frac{1}{2}}$ izk;ksftr laLFkk vFkkZr enjgqM baLVhV~;wV vkWQ
 eSustesaV „M VsDuskyksth lkslkbVh] :Mdh dks

LFkkiuk ds fy, bl vf/kfu;e ds micU/kksa ds vuqlkj enjgqM fo'ofok;*
 LFkkfir djus dk vf/kdkj gksxkA $\frac{1}{4}2^{\frac{1}{2}}$ izk;ksftr laLFkk }kjk jkT; ljdkj dks
 fo'ofok; LFkkiuk lEcU/kh izLrko lfgr ,d vkosnu izLrko

i= izLrq fd;k x;k gS] ftlesa fuEu fooj.k izLrq fd;s x;s%&
 $\frac{1}{4}d^{\frac{1}{2}}$ izk;ksftr laLFkk ds iw.kZ fooj.k lfgr fo'ofok; ds

mn~ns';{

$\frac{1}{4}[k^{\frac{1}{2}}$ fo'ofok; dh izkLFkfr] foLrkj vkSj Hkwfe dh

miyC/krk{

$\frac{1}{4}x^{\frac{1}{2}}$ vkxkeh ikap o"kksZa esa fo'ofok; }kjk pyk;s tkus
 okys 'kS{kf.kd ,oa vuqla/kku dk;ZØeksa dh izd'fr rFkk izdkj(
 $\frac{1}{4}?k^{\frac{1}{2}}$ ladk;ksa dh izd'fr] vkjEHk fd;s tkus okys ikB~;Øe
 rFkk 'kks/k dk;Z{

$\frac{1}{4}M^{\frac{1}{2}}$ fo'ofok; iflj dk fodkl tSlS Hkou] miLdj rFkk
 lajpukRed lq[k lqfo/kk,a($\frac{1}{4}p^{\frac{1}{2}}$ vkxkeh iakp o"kksZ ds fy, iwathxr O;;
 dk pj.kc) ifjO;;{

$\frac{1}{4}N^{\frac{1}{2}}$ enokj vkorhZ O;;] foRrh; lzksr ,oa izR;sd Nk= ds fy,
 vuqekfur O;;{

$\frac{1}{4}t^{\frac{1}{2}}$ lalk/ku tqVkus dh ;kstuk rFkk mldh iwathxr ykxr
 vkSj mUgsa pqdkus ds rjhds($\frac{1}{4}>^{\frac{1}{2}}$ vkUrfjd lalk/kuksa&fo|kfFkZ;ksa ls
 fy;s tkus okys 'kqYd] ijke'kZ ,oa fo'ofok; ds mn~ns';ksa ls
 lEcU/kr vU; xfrfof/k;ksa ls izR;kf'kr jktLo ,oa vU; izR;kf'kr vk; }kjk
 vkUrfjd fuf/k;ksa ds l'tu dh ;kstuk{

$\frac{1}{4}\forall\frac{1}{2}$ laLFkk dh ykxr ij vkus okys O;;] jkT; ds ewy fuoklh
 Nk=ksa ds fy, f'k{k.k 'kqYdksa esa nh tkus okyh
 fj;k;rksa ;k NwV dh lhek] fu%'kqYdrk vkSj
 Nk=o`fRr;ka rFkk vizoklh Hkkjrh;ksa ,oa fons'kksa ls
 vkus okys fo|kfFkZ;ksa ls fofHkUu njksa ij] ;fn dksbZ
 gks] fy;s tkus okys 'kqYdksa ds Lo#i dk C;ksjk(

$\frac{1}{4}V\frac{1}{2}$ izk;ksftr laLFkk esa miyC/k lEcfU/kr fo"k;ksa esa
 fo'ks"Kkrk ,oa vuqHko dh vof/k rFkk foRrh; lalk/ku(

$\frac{1}{4}B\frac{1}{2}$ fo'ofok; ds ikB~;Øeksa ds fy, Nk=ksa dh p;u i)fr(rFkk

$\frac{1}{4}M\frac{1}{2}$ fo'ofok; dh LFkkiuk ls iwoZ ,slh vU; 'krksZ dh]
 ftudh iwfrZ jkT; ljdkj }kjk visf{kr gks] iwfrZ dh
 izkfLFkfrA

fo'ofok; dh 4- $\frac{1}{4}1\frac{1}{2}$ jkT; ljdkj vko';d tkap djus ds mijUr larq"V gS fd izk;ksftr
 laLFkk us lHkh 'krsZ vkSj LFkkiuk vko';drkvksa dks iw.kZ dj fy;k x;k gS
 vkSj mls ^enjgqM fo'ofok;* Kkr uke ls mÙkjk[k.M jkT; esa fo'ofok;
 LFkkfir fd;k tkrk gSA

$\frac{1}{4}2\frac{1}{2}$ fo'ofok;] ^enjgqM fo'ofok;* ds uke ls ,d fuxfer fudk;
 gksxk vkSj mls 'kk'or mÙkjkf/kdkj gksxk vkSj mldh ,d
 lkekU; eqnzg gksxh rFkk og vius uke ls okn nk;j dj ldsxk
 vkSj ml ij okn nk;j fd;k tk ldsxkA

$\frac{1}{4}3\frac{1}{2}$ $\frac{1}{4}d\frac{1}{2}$ fo'ofok; dk eq[; iflj :Mdh] mRrjk[k.M esa
 vofLFkr gksxk rFkk mldk vU; iflj vFkok {ks=h; dsUnz]
 v/;;u dsUnz dh LFkkiuk vU; LFkkuksa ij fo'ofok;
 vuqeku vk;ksx vkSj vU; laoS/kkfud fudk;ksa }kjk
 LFkkfir izfØ;kvksa ds vuqlkj fd;k tk;sxkA fo'ofok;
 ik;p o"kZ dh vof/k ds ckn jkT; esa] jkT; ljdkj dh
 iwokZuqefr ls viuk f}rh; iflj LFkkfir dj ldsxk] ijUrq
 ioZrh; {ks=ksa esa 2500 QqV ls Åij f}rh; dSEil [kksyus
 dh dksbZ le;&lhek ugha gksxhA

$\frac{1}{4}[k\frac{1}{2}$ fo'ofok; dks vU; foHkkx@fo"k; izkjEHk djus ds
 fy;s] ;fn vfrfjDr Hkwfe dh vko';drk gks] tSls fd
 laoS/kkfud fudk;ksa ds ekudkuqlkj vko';drk gks]
 fo'ofok; ;k rks eq[; iflj ls lVg gqv ;k vyx :Mdh {ks=
 tiun gfj}kj esa gh LFkkfir dj ldrk gSA

$\frac{1}{4}4\frac{1}{2}$ fo'ofok; ds dqykf/kifr] izfrdqykf/kifr] dqyifr] izfr
 dqyifr] dqy lfpo ,oa O;oLFkkid e.My] izcU/k eaMy ,oa fo|k
 ifj"kn ds lnL; bl izdkj LFkkfir fo'ofok; esa rRle; mDr
 inksa ij dk;Z djrs gq;s fu;fer fudk; xBr dj ldsaxs vkSj

fo'ofok|ky; ds uke ls okn nk;j dj ldasxs ,oa mu ij okn pyk;k
tk ldrk gSA

$\frac{1}{4}5\frac{1}{2}$ mi/kkjk $\frac{1}{4}1\frac{1}{2}$ ds v/khu fo'ofok|ky; dh LFkkiuk fd;s tkus
ij fo'ofok|ky; ds iz;kstu ds fy, vf/kx`ghr] fufeZr] O;ofLFkr
vFkok l`ftr Hkwfe] py ,oa vpy lEifRr;ka] izk;ksftr laLFkk
dh lEifRr;ksa dks NksM+dj] fo'ofok|ky; dks vUrfjr ,oa
mlesa fufgr gks tk;saxhA

$\frac{1}{4}6\frac{1}{2}$ fo'ofok|ky; ds ikl miyC/k Hkwfe] Hkou] fofHkUu
foHkkxksa@ladk;ksa ds lapkfyr leLr ikB~;dze gsrq
lEcU/kr loksZPp fu;ked vk;ksx ds ekudksa ds vuqlkj gksuk
vko';d gksxkA

$\frac{1}{4}7\frac{1}{2}$ fo'ofok|ky; ds eq[; iflj] iflj o v;;u dsUnz vkfn esa
vk/kkjHkwr ,oa vU; lqfo/kk,a ;w0th0lh0 ,oa 'kh"kZ oS/kkfud
fu;ked laLFkkvksa ds ekudksa ds vuq:lk gksxhA

fo'ofok|ky; dk 5- fo'ofok|ky; Lo% foRriksf"kr gksxk vkSj jkT; ljdkj ds
LokfeRok/khu] ;k fu;a=.kk/khu fdlh foRrh; lgk;rk vU; fudk;] ;k fuxe
ls fdlh lgk;rk] vuqnku ;k fdlh vU; foRrh; lgk;rk dh u rks dksbZ vkfn ds fy,
ekax djsxk vkSj u gh mlds fy, gdnkj gksxkA gkykafd fo'ofok|ky; ,sls
fdlh Hkh vuqnku dks gdnkj u gksuk

izkIr djus dk gdnkj gksxk] tks fd jkT; ljdkj ;k jkT; ljdkj ds
LokfeRo vFkok fu;af=r vU; fudk; ;k fuxfer }kjk lapkfyr fo'ks"k ;kstuk ds
vUrxZr bl rjg ds vuqnku dh 'krkZsa ds v/khu fn;k tk jgk gksA bls
fo'ofok|ky; ds Lo% foRriksf"kr lLFkfr ij dksbZ izHkko ugha iM+sxxkA

fdlh laLFkk dks 6- jkT; ds vUrxZr fo'ofok|ky; ds la?kVd egkfo|ky;] {ks=h;
dsUnz] v;;u dsUnz] ,oa dSfj;j lEc] djus dh ,dsMeh lS.VIZ gks ldrs
gS] fdUrq mls fdlh vU; egkfo|ky; ;k laLFkk dks lEc]rk dk 'kfDr u gksuk

fo'ks"kkf/kdkj iznku djus dh 'kfDr ugha gksxhA fo'ofok|ky; vU;
vuqla/kku laLFkku o vU; fo'ofok|ky;ksa ds lkFk lkewfgd vuqla/kku
dk;Z ,oa f'k{k.k dk;Z dj ldrk gSA

fo'ofok|ky; ds 7- ftu mn~ns';ksa ds fy, fo'ofok|ky; dh LFkkiuk dh x;h gS] os
fuEuor~ gaS%&

mn~ns'; $\frac{1}{4}d\frac{1}{2}$ rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,oa nUr fpfdRlk f'k{kk]
fof/k f'k{kk] mM~M;u f'k{kk] lkekftd foKku] lkekU; foKku
,oa vU; fo"ks;ksa ,oa vU; 'kk[kkvksa] tSlS dh fo'ofok|ky; mfpr le>s]
esa v;;u] v;/kiu] ifj{k.k ,oa 'kks/k dk;ksZ dks iznku djuk ,oa O;oLFkk djuk(

$\frac{1}{4}[k\frac{1}{2}$ rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,o nUr fpfdRlk
f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd foKku]
lkekU; foKku ,oa vU; {ks=ksa vkfn esa iflj ,oa la?kVd
egkfo|ky;ksa dh LFkkiuk rFkk lfVZfQdsV dkslZ]

fMlyksek] Lukrd vkSj LukrdsRrj fMxzh ,oa ih- ,p- Mh-
fMxzh] tks fd fo'ofokj; vuqnku vk;ksx }kjk ukedj.k fd;k
x;k gks dks LFkkfir djuk ,oa iznku djuk] fdUrq fo'ofokj;
dks vius mn~ns';ksa dks izksRlkgu gsrq ,sls u;s vU;
fMlyksek vkSj izek.k i= ikB~;Øe iznku djus dk vf/kdkj
gksxk(

$\frac{1}{4}x\frac{1}{2}$ mijksDr $\frac{1}{4}[k\frac{1}{2}$ esa mfYyf[kr ikB~;Øeksas ds fy, nwjLFk
f'k{kk iz.kkyh ds ek;/e ls f'k{k.k iznku djus ds fy, vuojr
f'k{kk ds v/khu jkT; esa la?kVd dsUnz dh LFkkiuk(

$\frac{1}{4}k\frac{1}{2}$ ijh{kk dsUnzksa dks LFkkfir djuk(

$\frac{1}{4}M-\frac{1}{2}$ fo'ofokj; dks fMxzh] fMlyksek] izek.k i= o vU; 'kSf[kd
miyfC/k] ijh{kkvksa vFkok vU; iz.kkyh ds vk/kkj ij
iznku djuk(

$\frac{1}{4}p\frac{1}{2}$ fo'ofokj; vuqnku vk;ksx ,oa lEcF/kr jkT; ljdkj dh lgeftr
ls vU; jkT;ksa esa iflj dh LFkkiuk djuk(

$\frac{1}{4}N\frac{1}{2}$ fo'ofokj; }kjk rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,o
nUr fpfdRlk f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd
foKku] lkekU; foKku ,oa vU; {ks=ksa esa vuqla/kku ,oa
uohu ifjorZuksa dks izksRlkfgr djus ds fy, vuqla/kku ,oa
fodkl dsUnz dh LFkkiuk }kjk v/;;u xksf'B;kj] vf/kos'u]
dk;Zf'koj] 'kS{kf.kd dk;ZØe] lkekftd fodkl dk;ZØe]
izdk'ku] izf'k{k.k dk;ZØe ,oa lewg v/;;u] bR;kfn djuk(

$\frac{1}{4}t\frac{1}{2}$ okâ; v/;;u] foLrkj dk;ZØe ,oa okâ; {ks=h; xfrfof/k;ksa
}kjk lekt ds fodkl esa viuk ;ksxnku nsuk(

$\frac{1}{4}>\frac{1}{2}$ fo'ofokj; vuqnku vk;ksx ds izko/kku ,oa fu;eksa ds
vUrxZr vkWQ&'kksj dSEil dh LFkkiuk djukA

$\frac{1}{4}\forall\frac{1}{2}$ tSlS fd vko';d gks] ,sls lHkh dk;Z djuk] tks fo'ofokj; ds
leLr ;k fdUgh mn~ns';ksa dh izkfIr ds fy,s vko';d] izklafxd
,oa lgk;d gksA

fo'ofokj; dh 8- $\frac{1}{4}1\frac{1}{2}$ fo'ofokj; dh fuEufyf[kr 'kfDr;ka gksaxh(vFkkZr~ %&
'kfDr;kj $\frac{1}{4}d\frac{1}{2}$ rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,o nUr fpfdRlk
f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd foKku] lkekU;
foKku ,oa vU; fo''k;ksa ,oa vU; {ks=ksa esa v/;;u] v/;kiu] ijh{k.k
,oa 'kks/k dk;Z] f'k{k.k O;oLFkk djuk rFkk vuqla/kku ,oa Kku ds vfHko/kZu
vkSj izlkj dk izkfo/kku djuk(

$\frac{1}{4}[k\frac{1}{2}$ fo'ofokj; ds mn~ns';ksa dks iwjk djus ds fy, ,slh
vU; leLr xfrfof/k;ka lEikfnr djuk] tks vko';d vFkok
lk/; gks(

$\frac{1}{4}x\frac{1}{2}$,sls O;fDr;ksa ds fy, ijh{kk,a vk;ksftr djuk rFkk
mUgsa mikf/k;ka ;k vU; 'kS{kf.kd fof'k"Vrk,sa
lafLFkr vkSj iznku djuk ftUgksaus%&

$\frac{1}{4}1\frac{1}{2}$ fo'ofok|ky; ;k blds iflj ;k fdlh la?kVd
egkfo|ky; ;k nwjLFk f'k{kk i)fr ds v/khu {ks=h;
dsUnzksa] v/;;u dsUnzksa ;k dSfj;j ,dsMeh lSUVlZ esa
f'k{k.k ikB~;Øe dk v/;;u fd;k gks(vFkok

$\frac{1}{4}2\frac{1}{2}$ fo'ofok|ky; ;k fdlh la?kVd egkfo|ky; esa] ;k
fdlh nwjLFk f'k{kk i)fr ds v/khu 'kks/k dk;Z fd;k
gks(

$\frac{1}{4}3\frac{1}{2}$ ifjfu;eksa@izkfo/kkuksa esa vfHkdfFkr jhfr ls vkSj
'krksZ ds v/khu ekun~ mikf/k;ksa] ;k vU; 'kS{kf.kd
fof'k"Vrk;sa iznku djuk(

$\frac{1}{4}3\frac{1}{2}$ ifjfu;eksa ds vuqlkj v/srko`fRr;ka] Nk=o`fRr;ka rFkk iqjLdkj lafLFkr ,oa
iznku djuk(

$\frac{1}{4}p\frac{1}{2}$,slh Qhl] tek] fcy] chtd dh ekax djuk vkSj izklr djuk
rFkk izHkkj laxzg djuk tks ;FkkfLFkfr] ifjfu;eksa ;k
fu;eksa }kjk fu;r fd;s tk;sa(

$\frac{1}{4}N\frac{1}{2}$,sls {ks=h; dsUnzksa vkSj v/;;u dsUnzksa dh
LFkkiuk djuk] vuqj{k.k djuk ,oa ekU;rk iznku djuk
tSls le;≤ ij fo'ofok|ky; ds ifjfu;eksa esa fufnZ"V jhfr
}kjk fu/kkZfjr fd;k tk,(

$\frac{1}{4}t\frac{1}{2}$ fo|kfFkZ;ksa vkSj deZpkfj;ksa ds fy, f'k{kk ds vfrfjDr
ikB~;sRrj vU; xfrfof/k;ksa dh O;oLFkk djuk(

$\frac{1}{4}>\frac{1}{2}$ fo'ofok|ky; vFkok blds iflj ;k la?kVd egkfo|ky;]
{ks=h; dsUnzksa] v/;;u dsUnzksa] vuqla/kku
dsUnzksa rFkk dSfj;j ,dsMeh lS.VlZ esa ladk;]
vf/kdkfj;ksa vkSj deZpkfj;ksa dh fu;qfDr djuk(

$\frac{1}{4}'\frac{1}{2}$ izk;ksftr laLFkk dh iwoZ vuqefr ls fo'ofok|ky;] blds
iflj ;k fdlh la?kVd egkfo|ky;] {ks=h; dsUnzksa] v/;;u
dsUnzksa] vuqla/kku dsUnzksa vkSj dSfj;j ,sdsMfed
lS.VlZ ds iz;kstukFkZ nku vkSj fdlh izdkj ds migkj
izklr djuk rFkk U;kl vkSj foU;kl dh lEifRr;ksa lfgr fdlh
py] vpy lEifRr dk vf/kxzg.k djuk] /kkj.k djuk] izcU/k
djuk] vuqj{k.k djuk vkSj fuiVkj djuk(

$\frac{1}{4}V\frac{1}{2}$ fo'ofok|ky;] blds iflj ;k fdlh la?kVd egkfo|ky; ds
Nk=ksa ds fy, gky@Nk=kokl LFkkiuk vkSj mudk
vuqj{k.k djuk vkSj fuokl LFkkuksa dks fuf'pr djuk(

$\frac{1}{4}B\frac{1}{2}$ vkokl dk fu;a=.k djuk] i;Zos{k.k djuk vkSj leLr Js.kh
ds deZpkfj;ksa ,oa Nk=ksa ds e/; vuq'kklu ij fu;a=.k
j[kuk rFkk vkpkj lafgrk lfgr ,sls deZpkfj;ksa dh lsok
'krZ fofufnZ"V djuk(

$\frac{1}{4}M\frac{1}{2}$ 'kS{kf.kd] iz'kklfud ,oa lgk;d deZpkfj;ksa vkSj vU; vko';d inksa dk l'tu
djuk(

$\frac{1}{4}<\frac{1}{2}$ Hkkjr ;k fons'kksa ds laLFkkuksa] laxBuksa]
fo'ofokky;ksa] O;fDr fo'ks"kksa] m|ksxksa ,oa
laLFkkvksa ds lkFk ,slh jhfr ls rFkk ,sls iz;kstuksa ds
fy, lgdk;Z vkSj lg;ksx djuk] ftUgsa fo'ofokky; le;≤ ij
vo/kkfjr djsa(

$\frac{1}{4}.k\frac{1}{2}$ nwjLFk f'k{kk i)fr vkSj ,slh jhfr dh O;oLFkk djuk
ftlls fo'ofokky; ds 'kS{kf.kd dk;ZØeksa ds vuqlkj nwjLFk
f'k{kk dks vk;ksftr fd;k tk lds(

$\frac{1}{4}r\frac{1}{2}$ f'k{kdkksa] v/;kidksa] ikB ys[kdkksa] ewY;kaddksa
vkSj vU; 'kS{kf.kd deZpkfj;ksa ds fy, iqu'p;kZ
ikB~;Øe] vfHkfoU;kl ikB~;Øe] dk;Z'kkyk,sa]
laxksf"B;ka vkSj vU; dk;ZØe vk;ksftr vkSj lapfyr
djuk(

$\frac{1}{4}Fk\frac{1}{2}$ fo'ofokky;] bls iflj ;k fdlh la?kVd egkfo|ky;]
{ks=h; dsUnzksa] v/;;u dsUnzksa] vuqla/kku
dsUnzksa vkSj dSfj;j ,dsMfed lS.VlZ esa fof'k"V
lfefr;ksa ds ek;/e ls ,oa fo|k ifj"kn ds vuqeksnu ls
izos'k ds fy, ekud vo/kkfjr djuk(

$\frac{1}{4}n\frac{1}{2}$ fo'ofokky;] bls iflj ;k fdlh la?kVd egkfo|ky;] {ks=h;
dsUnzksa] v/;;u dsUnzksa] vuqla/kku dsUnzksa vkSj
dSfj;j ,dsMfed lS.VlZ esa fdlh ikB~;Øe esa izos'k ds fy,
mRrjk[k.M jkT; ds LFkk;h fuoklh ds fy, ;ksX;rk ds
vk/kkj ij fo'ks"k O;oLFkk djuk(

$\frac{1}{4}/k\frac{1}{2}$ fo'ofokky; }kkj rdudh f'k{kk] mPp f'k{kk] fpfdRlk
,oa nUr fpfdRlk f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk]
lkekftd foKku] lkekU; foKku ,oa vU; fo"k;ksa esa
Lukrd] LukrdsYkj] MkWDVj vkWQ fQyklQh]
MkWDVj vkWQ lkbUl dh mikf/k;ksa ,oa 'kks/k dk;Z
ds fy, ,sls ikB~;Øe fu/kkZfjr djuk tks fo'ofokky;
vuqnku vk;ksx o vU; oS/kkfud ifj"knksa ds vUrxZr
vkrs gS] fdUrq vius fo"k;ksa esa fMIyksek izek.k&i=
vkfn fn;s tkus ds lEcU/k esa viuk ikB~;Øe vkjEHk
djus dk fo'ofokky; dks vf/kdkj izklr gksxk(

$\frac{1}{4}u\frac{1}{2}$ fo'ofok|ky; dh 'kS{kf.kd xfrfof/k;ka] izk;ksftr laLFkk
dh xfrfof/k;ksa ls Li"Vr;k foyx gksxh(

$\frac{1}{4}i\frac{1}{2}$ fQYe dSlsV] Vsi] ohfM;ks dSlsV] lh-Mh-] Mh-oh-
Mh- vkSj vU; lk¶Vos;j bR;kfn lfgr 'kSf{kdk lkexzh
rS;kj djus dh O;oLFkk djuk(

$\frac{1}{4}Q\frac{1}{2}$ vU; fo'ofok|ky;ksa laLFkkvksa ,oa mPp f'k{kk
dsUnzksa dh ijh{kkvksa vFkok v/;;u dh vof/k
 $\frac{1}{4}iw.kZ$ vFkok vkaf'kd $\frac{1}{2}$ dks fo'ofok|ky; dh ijh{kkvksa
vFkok v/;;u dh vof/k ds lerqY; ekU;rk iznku djuk
vkSj mudks nh x;h ekU;rk dks fdLH Hkh le; lekIr
djuk(

$\frac{1}{4}c\frac{1}{2}$ O;oLFkkid e.My ds vuqeksnu ls fo'ofok|ky; dh lEifr
dh izfrHkwfr ij ;k mlds

fcuk fo'ofok|ky; ds fy, /ku tqVkuk] laxzg djuk] Lohdkj djuk vkSj _k izkIr djuk(
 $\frac{1}{4}Hk\frac{1}{2}$ lafonk djuk] mldk fu"iknu djuk] mlesa ifjorZu djuk ;k mls lekIRk
djuk(

$\frac{1}{4}e\frac{1}{2}$ fo'ofok|ky; ds mn~ns';ksa dks vxzlj djus ds fy, ;Fkk vko';d o laHko ,sls
lHkh vU;
dk;Z djuk] pkgs os mi;qZDr 'kfDr;ksa ds vkuq"kafoxd gksa ;k u
gksa(

$\frac{1}{4};\frac{1}{2}$,d dkuwuh bdkbZ ds :lk esa vius izkf/kd`r vf/kdkjh ds ek/;e ls fdLH Hkh
U;k;ky;]

vf/kdj.k ;k izkf/kdj.k esa vius uke ls okn ykuk vkSj okn nk;j djukA

$\frac{1}{4}2\frac{1}{2}$ rRle; izo`Rr fdLH vU; fof/k esa fdLH ckr ds gksrs gq;s
Hkh vkSj mi/kkj $\frac{1}{4}1\frac{1}{2}$ ds micU/kksa ij

izfrdwy izHkko Mkys fcuk fo'ofok|ky; vkSj nwjLFk f'k{kk iz.kkfy;ksa dks
izksRlkfgr djus rFkk ,slh
iz.kkfy;ksa ds f'k{k.k] ewY;kadu vkSj 'kks/k ekud fu/kkZfjr djus ds fy, os lHkh
mik; djuk

fo'ofok|ky; dk drZO; gksxk] tks og mfpr le>s vkSj bl dk;Z ds fu"iknu gsrq
fo'ofok|ky;ksa] egkfo|ky;ksa] {ks=h; dsUnzksa] v/;;u dsUnzksa] vuqla/kku
dsUnzksa vkSj dSfj;j ,dsMfed
lS.VlZ dks pkgs mUgsa fo'ks"kkf/kdkj Lohd`r gq, gksa vFkok ugha vFkok fdLH
vU; fo'ofok|ky; ;k

mPp f'k{kk laLFkku dks vuqnnuksa ds vkoaVu ,oa laforj.k dh 'kfDr lfgr ,slh
'kfDr;ka izkIr

gksaxh] tks ifjfu;eksa }kjk fofufnZ"V dh
tk;saA

fo'ofok|ky; esa 9- fo'ofok|ky; lHkh O;fDr;ksa ds fy, pkgos os fdlh oxZ] tkfr ;k
 fyax ds gksa] ds izos'k ds fy,
 lHkh oxZ] tkfr [kqyk jgsxk (
 ,oa fyax dh igqap ijUrq ;g fd bl /kkjk dh fdlh ckr ls ;g ugha le>k tk;sxk
 fd fo'ofok|ky; }kjk
 gksxh mRrjk[k.M ds fo|kfFkZ;ksa ds izos'k ds fy, fo'ks"ks
 izkfo/kku djus dk izfrcU/k gS (

ijUrq ;g vkSj fd bl /kkjk ds fdlh ckr ds gksrs gq;s Hkh ;g ugha le>k tk;sxk fd
 fo'ofok|ky; ;k fdlh la?kVd egkfo|ky;] {ks=h; dsUnzksa] v/;;u dsUnzksa]
 vuqla/kku dsUnzksa vkSj
 dSfj;j ,dsMfed lS.VlZ }kjk fdlh Hkh ikB~;Øe esa ifjfu;eksa }kjk vo/kkfjr la[;k ls
 vf/kd

Nk=ksa dks izos'k nsuk visf{kr gSA

jk"Vh; izR;k;u 10- fo'ofok|ky; fofHkUu jk"V^ah; izR;k;u laLFkkvksa ls ekU;rk
 izklr djsxkA

v/;k; &rhu

fo'ofok|ky; ds vf/kdkjh

fo'ofok|ky; ds 11- fo'ofok|ky; ds fuEufyf[kr vf/kdkjh gksaxs%&

vf/kdkjh $\frac{1}{4}d\frac{1}{2}$ dqyk/;{k $\frac{1}{4}foftVj\frac{1}{2}$ (
 $\frac{1}{4}[k\frac{1}{2}$ dqykf/kifr(
 $\frac{1}{4}x\frac{1}{2}$ izfr&dqykf/kifr(
 $\frac{1}{4}?k\frac{1}{2}$ dqyifr(
 $\frac{1}{4}M-\frac{1}{2}$ izfr&dqyifr(
 $\frac{1}{4}p\frac{1}{2}$ dqy lfpo(
 $\frac{1}{4}N\frac{1}{2}$ ladk;k/;{k(
 $\frac{1}{4}t\frac{1}{2}$ foRr vf/kdkjh(vkSj
 $\frac{1}{4}>\frac{1}{2}$,sls vU; vf/kdkjh] ftUgsa ifjfu;eksa }kjk
 fo'ofok|ky; ds vf/kdkjh ?kksf"kr fd;k tk,A

dqyk/;{k 12- $\frac{1}{4}1\frac{1}{2}$ mRrjk[k.M ds jkT;iky fo'ofok|ky; ds dqyk/;{k gksaxsA
 $\frac{1}{4}foftVj\frac{1}{2}$ $\frac{1}{4}2\frac{1}{2}$ dqyk/;{k] tc mifLFkr gksa] rks mikf/k;ka ,oa fMlyksek
 iznku djus ds fy, vk;ksftr fo'ofok|ky; nh{kkUr lejksg dh
 v/;{krk djsaxasaA

$\frac{1}{4}3\frac{1}{2}$ dqyk/;{k dh fuEufyf[kr 'kfDr;k; gksaxh(vFkkZr%&
 $\frac{1}{4}d\frac{1}{2}$ fo'ofok|ky; dh dk;Z iz.kkyh ls lEcFU/kr fdlh Hkh
 vfHkys[k] i= ;k lwpuk dks eaxkuk($\frac{1}{4}[k\frac{1}{2}$ dqyk/;{k dks izklr
 lwpuk ds vk/kkj ij] ;fn og larq"V gks fd dksbZ vkns'k] dk;Zo`Rr] ;k
 fu.kZ;] tks fo'ofok|ky; ds fdlh Hkh izkf/kdkjh }kjk fy;k x;k gks]

v/;kns'k] ifjfu;e vFkok fu;e ds vuq#i ugha gS rks og ,sls funsZ'k
 tkjh dj ldsaxsa] ftUgsa og fo'ofok;ky; ds fgr esa mfpr
 le>sa vkSj bl izdkj tkjh fd;s x;s funsZ'kksa dk lHkh lEcU/krksa }kjk
 vuqiky fd;k tk;sxk(
 $\frac{1}{4}Xk\frac{1}{2}$ ekun mikf/k iznku fd;s tkus dk izR;sd izLrko ij
 dqyk/;{k dk vuqeksnu fy;k tkuk gksxkA
 dqykf/kifr 13- $\frac{1}{4}1\frac{1}{2}$ izk;ksftr laLFkk vius lnL;ksa esa ls ,d lnL; ;k muds }kjk
 loZlEefr ls fdlh vU; dks dqykf/kifr fu;qDr fd;k tk ldsxkA
 $\frac{1}{4}2\frac{1}{2}$ dqykf/kifr dks ,slh 'kfDr;ka izkIr gksaxh] tks mls bl
 vf/kfu;e ;k bls v/khu cuk;s x;s ifjfu;eksa }kjk iznku dh
 tk;saxhaA
 izfr&dqykf/kifr 14- $\frac{1}{4}1\frac{1}{2}$ izk;ksftr laLFkk vius lnL;ksa esa ls ,d lnL; ;k muds
 }kjk loZlEefr ls fdlh vU; dks izfr&dqykf/kifr fu;qDr fd;k tk ldsxkA
 $\frac{1}{4}2\frac{1}{2}$ izfr&dqykf/kifr dks ,slh 'kfDr;ka izkIr gksaxh] tks mls bl
 vf/kfu;e ;k bls v/khu cuk;s x;s ifjfu;eksa }kjk iznku dh
 tk;saxhaA
 dqyifr 15- $\frac{1}{4}1\frac{1}{2}$ O;oLFkkid e.My }kjk mi/kkjk $\frac{1}{4}2\frac{1}{2}$ ds micU/kksa ds vuqlkj
 xBr lfev }kjk laLrqr rhu O;fDr;ksa ds iSuy esa ls rhu o"nz dh
 vof/k ds fy, ,sls fucU/kuksa vkSj 'krksZ ij tSlh fd ifjfu;eksa
 }kjk fofgr dh tk;sa] dqyifr dh fu;qfDr dh tk;sxhA
 $\frac{1}{4}2\frac{1}{2}$ mi/kkjk $\frac{1}{4}1\frac{1}{2}$ esa fufnZ"V lfev esa fuEufyf[kr O;fDr
 gksaxs(vFkkZr~%&
 $\frac{1}{4}d\frac{1}{2}$ dqykf/kifr(
 $\frac{1}{4}[k\frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk foHkkx esa izeq[k
 lfpo@lfpo(
 $\frac{1}{4}x\frac{1}{2}$ O;oLFkkid e.My }kjk ukfer rhu lnL; (
 $\frac{1}{4}?k\frac{1}{2}$ izk;ksftr laLFkk }kjk ukfer ,d lnL; tks fd la;kstd ds
 #i esa ukfer fd;k tk;sxkA $\frac{1}{4}3\frac{1}{2}$ lfev ;ksX;rk ds vk/kkj ij dqyifr ds in ds
 ;ksX; rhu O;fDr;ksa dk iSuy rS;kj djsxh vkSj izR;sd O;fDr dh
 'kSf[kd ;ksX;rkvksa rFkk vU; fof'k"Vrkvksa ds laf{kIr fooj.k ds lkFk mls
 O;oLFkkid e.My dks vxzlkfjr djsxhA
 $\frac{1}{4}4\frac{1}{2}$ dqyifr fo'ofok;ky; dk izeq[k dk;Ziky vkSj 'kS{kf.kd vf/kdkjh
 gksxk] tks fd fo'ofok;ky;
 ds dk;Zdykiksa ij lkekU; i;Zos{k.k vkSj fu;a=k j[ksxk vkSj
 fo'ofok;ky; ds izkf/kdkfj;ksa ds fofu'p;ksa dks ykxw djsxkA
 $\frac{1}{4}5\frac{1}{2}$ tgka v/;kid dh fu;qfDr ls fHkUu dksbZ ,slk vR;ko';d
 ekeyk gks] ftlesa rRdky dk;Zokgh djuk visf{kr gks vkSj
 mlds lEcU/k esa dk;Zokgh djus ds fy, bl vf/kfu;e }kjk ;k
 mlds v/khu fo'ofok;ky; ds fdlh l'kDr vf/kdkjh ;k izkf/kdkjh
 ;k vU; fudk; }kjk bl ij rRdky dk;Zokgh u dh tk lds rks

dqykf/kifr ds iwokZuqeksnu ls dqyifr ,slh dk;Zokgh dj
ldsxx] tks og mfpr le>sa

$\frac{1}{4}6\frac{1}{2}$ dqyifr ,slh vU; 'kfDr;ksa dk iz;ksx vkSj ,sls vU; drZO;ksa
dk ikyu djsxx] tks ifju;eksa ;k fu;ekoyh }kjk vfHkdfFkr
fd;s tk;saA

$\frac{1}{4}7\frac{1}{2}$ dqykf/kifr dks lE;d tkap ds mijkUr] O;oLFkkid e.My ds
vuqeksnu ds mijkUr] dqyifr dks gVkus dk vf/kdkj izklr
gksxxA dqykf/kifr] tkap ds nkSjku vkjksiksa dh xEHkhjrk
dks n`f"Vxr j[krs gq;s] tSlk og mfpr le>s] dqyifr dks
fuyfEcr dj ldsxxA

izfr&dqyifr 16- izfr&dqyifr dh fu;qfDr dqykf/kifr }kjk O;oLFkkid e.My ds
iqokZuqeksnu ls ,slh jhfr ls dh tk ldsxx] tSlh fd ifju;eksa esa fofgr
dh tk;sa vkSj izfr&dqyifr ,slh 'kfDr;ksa dk iz;ksx rFkk ,sls d`R;ksa
dk ikyu djsxx] tks ifju;eksa }kjk fofgr fd;s tk;saA

dqy lfpo 17- $\frac{1}{4}1\frac{1}{2}$ dqy lfpo dh fu;qfDr] dqykf/kifr }kjk ,slh jhfr ls ,oa ,sls
fucU/kuksa vkSj 'krksZa ij dh tk;sxh] tSlh fd fofgr dh tk;saA

$\frac{1}{4}2\frac{1}{2}$ dqylfpo] fo'ofokj; dh vksj ls lHkh lafonk,a djsxx vkSj
mUgSa gLrk{kfr djsxxA

$\frac{1}{4}3\frac{1}{2}$ dqylfpo dks fo'ofokj; dh vksj ls vfHkys[kksa dks
vfHkizekf.kr djus dh 'kfDr gksxx vkSj og ,slh vU; 'kfDr;ksa
dk iz;ksx vkSj ,sls vU; drZO;ksa dk ikyu djsxx] tks
ifju;eksa }kjk fofgr fd;s tk;sa] ;k dqykf/kifr ;k dqyifr }kjk
le;≤ ij vkisf{kr gksxxA

$\frac{1}{4}4\frac{1}{2}$ dqylfpo] fo'ofokj; ds vfHkys[kksa rFkk lkekU; eqnz
dh lE;d vfHkj{kk ds fy, mRrjnk;h gksxx vkSj og
dqykf/kifr] dqyifr ;k fdLh vU; izkf/kdkjh ds le{k ,slh leLr
lwpuk,sa vkSj nLrkost] tks muds dk;Z lEiknu ds fy, vko';d
gksa] izLrq djus ds fy, ck/; gksxxA

Lkadk;k/;{k 18- ladd;k;k/;{kksa dh fu;qfDr dqyifr }kjk dqykf/kifr ds
iqokZuqeksnu ls ,slh jhfr ls dh tk;sxh fd ifju;eksa }kjk os ,slh 'kfDr;ksa
dk iz;ksx rFkk ,sls d`R;ksa dk ikyu djsa] tks ifju;eksa }kjk fofgr fd;s
tk;saA

foRr vf/kdkjh 19- foRr vf/kdkjh dqykf/kifr }kjk ,slh jhfr ls fu;qDr fd;k tk;sxk
vkSj og ,slh 'kfDr;ksa dk iz;ksx vFkok ,sls drZO;ksa dk ikyu djsxx]
tks fd ifju;eksa }kjk fofgr fd;s tk;saA

vU; vf/kdkjh x.k 20- fo'ofokj; ds vU; vf/kdkfj;ksa dh fu;qfDr dh jhfr] lsok ds
fu;e o 'krsZ rFkk 'kfDr;ka o drZO; ,sls gksaxs] tks ifju;eksa }kjk fofgr fd;s
tk;saA

v/;k; & pkj
fo'ofok|ky; ds izkf/kdkjh
fo'ofok|ky; ds 21- fo'ofok|ky; ds fuEufyf[kr izkf/kdkjh gksaxs(vFkkZr~%&
izkf/kdkjh $\frac{1}{4}d\frac{1}{2}$ O;oLFkkid e.My(
 $\frac{1}{4}[k\frac{1}{2}$ izcU/k e.My(
 $\frac{1}{4}x\frac{1}{2}$ fo|k ifj"kn(
 $\frac{1}{4}?k\frac{1}{2}$ foRr lfefr(vkSj
 $\frac{1}{4}M-\frac{1}{2}$,sls vU; izkf/kdkjh] ftUgsa ifjfu;eksa }kjk
fo'ofok|ky; ds ifjfu;eksa esa izkf/kdkjh ?kksf"kr fd;sa
tk;saxsA

O;oLFkkid e.My 22- $\frac{1}{4}1\frac{1}{2}$ O;oLFkkid e.My esa fuEufyf[kr gksaxs%&
o mldh 'kfDr;ka $\frac{1}{4}d\frac{1}{2}$ O;oLFkkid e.My ds v/;{k o lg v/;{k $\frac{1}{4}$;fn gks rks $\frac{1}{2}$
dks izk;ksftr laLFkk ds lnL;ksa esa

ls fdlh lnL; dks ukfer fd;k tk,xkA

$\frac{1}{4}[k\frac{1}{2}$ dqykf/kifr & mik/;{k(
 $\frac{1}{4}x\frac{1}{2}$ dqyifr & lnL; lfpo
 $\frac{1}{4}?k\frac{1}{2}$ dqyk/;{k }kjk ukfer & nks f'k{kkfon
 $\frac{1}{4}M-\frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk foHkkx esa izeq[k
lfpo@lfpo(
 $\frac{1}{4}p\frac{1}{2}$ izk;ksftr laLFkk }kjk ukfer & ikap lnL;
 $\frac{1}{4}N\frac{1}{2}$ izfrf"Br mPp f'k{k.k laLFkkuksa ds
vf/kdkfj;ksa esa

ls izk;ksftr laLFkk }kjk ukfer & nks lnL;

$\frac{1}{4}t\frac{1}{2}$ izeq[k vkS|ksfxd izfr"Bkuksa ds ukfer

vf/kdkfj;ksa esa ls izk;ksftr laLFkk }kjk ukfer&
nks lnL;

$\frac{1}{4}2\frac{1}{2}$ O;oLFkkid e.My] fo'ofok|ky; dh eq[; iz'kklfud laLFkk
gksxh vkSj mldh fuEufyf[kr

'kfDr;ka gksaxh(vFkkZr~%&

$\frac{1}{4}d\frac{1}{2}$ fo'ofok|ky; }kjk vuqlj.k dh tkus okyh uhfr;ksa dk
fu/kkZj.k(
 $\frac{1}{4}[k\frac{1}{2}$ fo'ofok|ky; ds vU; izkf/kdkfj;ksa ds fofu'p;ksa dk] ;fn os ,sls vf/kfu;e ;k
ifjfu;eksa

;k fu;ekoyh ds micU/kksa ds vuq:i u gks] dk iqufoZyksdu(
 $\frac{1}{4}x\frac{1}{2}$ fo'ofok|ky; ds ctV vkSj okf"kZd izfrosnu dk vuqeksnu(
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$\frac{1}{4} ? k \frac{1}{2}$ ubZ vFkok vfrfjDr ifjfu;eksa dks cukuk ;k iwoZ esa cus ifjfu;eksa vFkok
fu;ekofy;ksa dk

la'kks/ku ;k fujlu(

$\frac{1}{4} M - \frac{1}{2}$ fo'ofok|ky; ds LoSfPNd lekiu ds lEcU/k esa fofuf'p; djuk(

$\frac{1}{4} p \frac{1}{2}$ jkT; ljdkj dks izLrqqr fd;s tkus okys izLrkoksa dk vuqeksnu
djuk(

$\frac{1}{4} N \frac{1}{2}$,sls fu.kZ; ,oa iz;kl djuk] tks fo'ofok|ky; ds mn~ns';ksa] ds izHkkoh <ax ls
fu"iknu ds

fy, okaNuh; lkk;s x;s gS(

$\frac{1}{4} t \frac{1}{2}$ fo'ofok|ky; ds laoS/kkfud ys[kk ijh{kdksa dh fu;qfDr djuk(
vkSj

$\frac{1}{4} > \frac{1}{2}$ fo'ofok|ky; ds lHkh [kkrrksa dks [kksyuk] cUn djuk] lapkfyr djuk o
izcU/ku djukA

$\frac{1}{4} 3 \frac{1}{2}$ O;oLFkkid e.My dh o"kZ esa U;wure nks cSBdsa ,sls le;
vkSj LFkku ij gksaxh] tSlk fd

O;oLFkkid e.My ds v/;{k mfpr le>saA

izcU/k e.My 23 $\frac{1}{4} 1 \frac{1}{2}$ izcU/k e.My esa fuEufyf[kr lnL; gksaxs(vFkkZr %&

$\frac{1}{4} d \frac{1}{2}$ dqyifr & v/;{k(

$\frac{1}{4} [k \frac{1}{2}$ izfr&dqyifr $\frac{1}{4}$;fn gS rks $\frac{1}{2}$

$\frac{1}{4} x \frac{1}{2}$ dqykf/kifr }kjk ukfer ,d vf/kdkjh(

$\frac{1}{4} ? k \frac{1}{2}$ izk;ksftr laLFkk }kjk ukfer ikap lnL; (

$\frac{1}{4} ^3 \frac{1}{2}$ dqykf/kifr }kjk ukfer pfØ; vk/kkj ij ukfer nks
izk/;kid(

$\frac{1}{4} p \frac{1}{2}$ dqykf/kifr }kjk ukfer pfØ; vk/kkj ij nks
ladk;k/;{k(

$\frac{1}{4} N \frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk ds izeq[k lfpo@lfpo(

$\frac{1}{4} t \frac{1}{2}$ dqy lfpo xSj & lnL; lfpo gksxkA

$\frac{1}{4} 2 \frac{1}{2}$ izcU/k e.My dh 'kfDr;ka ,oa d`R; ,sls gksaxs] tSlk
ifjfu;eksa }kjk fofgr fd;k tk;A

fo|k ifj"kn 24- $\frac{1}{4} 1 \frac{1}{2}$ fo|k ifj"kn ds fuEufyf[kr lnL; gksaxs(vFkkZr~ %&

$\frac{1}{4} d \frac{1}{2}$ dqyifr & v/;{k(

$\frac{1}{4} [k \frac{1}{2}$ dqy lfpo & lfpo(

$\frac{1}{4} x \frac{1}{2}$,sls vU; lnL;] tSlk ifjfu;eksa esa fofgr fd;k tk;saA

$\frac{1}{4}2\frac{1}{2}$ fo|k ifj"kn] fo'ofok|ky; dh izeq[k 'kS{kf.kd fudk; gksxh
vkSj bl vf/kfu;e ds v/khu fufeZr
fu;eksa o ifjfu;eksa ds varxZr jgrs gq, fo'ofok|ky; dh 'kS{kf.kd uhfr;ksa esa leUo;
LFkkfir

djsxh vkSj mudk lkekU; i;Zos{k.k djsxhA

$\frac{1}{4}3\frac{1}{2}$ fo|k ifj"kn dh 'kfDr;k; ,oa d`R; ,sls gksaxs] tSls ifjfu;eksa
}kjk fofgr fd;s tk,A
foRr lfeFr 25- $\frac{1}{4}1\frac{1}{2}$ foRr lfeFr esa fuEu fyf[kr lnL; gksaxs(vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ dqyifr & v/;{k(

$\frac{1}{4}[k\frac{1}{2}$ foRr vf/kdkjh & lfpo(

$\frac{1}{4}x\frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk ds izeq[k lfpo @lfpo(

$\frac{1}{4}?k\frac{1}{2}$,sls vU; lnL;] tks ifjfu;eksa }kjk fofgr fd;s tk;saA

$\frac{1}{4}2\frac{1}{2}$ foRr lfeFr fo'ofok|ky; dh izeq[k foRr fudk; gksxh] tks
foRrh; ekeyksa dh ns[kHkky djsxh

vkSj bl vf/kfu;e ds v/khu fufeZr fu;eksa] ifjfu;eksa rFkk fu;ekoyh ds v/;k/khu
jgrs gq,

fo'ofok|ky; ds foRrh; ekeyksa esa lEkUo; LFkkfir djsxh ,oa mldk lkekU;
i;Zos{k.k djsxhA

$\frac{1}{4}3\frac{1}{2}$ foRr lfeFr dh 'kfDr;ka ,oa d`R; ogh gksaxs] tks ifjfu;eksa
}kjk fofgr fd;s tk;saxsA

vU; izkf/kdj.k 26- fo'ofok|ky; ds vU; izkf/kdj.kksa dk xBu] mudh 'kfDr;ksa vkSj
d`R; ,sls gksaxs] tSls fd ifjfu;eksa

}kjk fofgr fd;s tk;saA

fjDr ds dkj.k 27- fo'ofok|ky; ds fdlh izkf/kdj.k dk dksbZ dk;Z ;k dk;Zokgh dsoy
bl dkj.k vfof/kekU; u gksxh fd dk;Zokgh dk izkf/kdj.k ds xBu esa dksbZ
fjDr ;k =qfV fo|eku FkhA
vfof/kekU; u gksuk

v/;k;&ikap

ifjfu;e vkSj fu;e

ifjfu;e 28- bl vf/kfu;e ds micU/kksa ds v/;/khu jgrs gq,] fo'ofok|ky; rFkk
deZpkfj;ksa ds lEcU/k esa lHkh ;k fdlh fo"k; ds fy, ifjfu;e vkSj
fu;ekoyh }kjk O;oLFkk dh tk ldrh gS] tks fuEuor gS%& $\frac{1}{4}d\frac{1}{2}$ fo'ofok|ky; ds
izkf/kdkfj;ksa ds dk;Z&lEiknu vkSj ,slh bdkbZ;ksa ds xBu dh izfØ;k] tks bl

vf/kfu;e esa fofufnZ"V ugha dh xbZ gS(

$\frac{1}{4}[k\frac{1}{2}$ LFkkbZ foU;kl fuf/k] lkekU; fuf/k vkSj fodkl fuf/k dk

lapkyu(

$\frac{1}{4}x\frac{1}{2}$ dqyifr] izfrdqyifr] dqylfpo vkSj foRr vf/kdkjh dh fu;qfDr

ds fu;e o 'krsZa] rFkk mudh 'kfDr;k; o d`R;($\frac{1}{4} ? k \frac{1}{2}$ fo'ofok;ky; ds vU; vf/kdkfj;ksa] v/;kidksa vkSj deZpkfj;ksa
 dh fu;qfDr dh jhfr vkSj lsok 'krsZa($\frac{1}{4}^3 \frac{1}{2}$ fo'ofok;ky; vkSj mlds
 vf/kdkfj;ksa] ladk; ds lnL;ksa deZpkfj;ksa vkSj Nk=ksa ds e/; fookn ds
 fujkdj.k dh çfØ;k(
 $\frac{1}{4} p \frac{1}{2}$ foHkkxksa vkSj ladk;ksa dk l'tu] mRlknu vkSj mldh
 iqulZajpuk(
 $\frac{1}{4} N \frac{1}{2}$ vU; fo'ofok;ky;ksa rFkk mPp f'k{kk dh laLFkkvksa ds lkFk
 lg;ksx dh jhfr(
 $\frac{1}{4} t \frac{1}{2}$ ekun~ mikf/k;ksa dks iznku djus dh izfØ;k(
 $\frac{1}{4} > \frac{1}{2}$ fu%'kqYdrk vkSj Nk=o`fRr;ka iznku djuk(
 $\frac{1}{4} \text{¥} \frac{1}{2}$ fofHkUu ikB~;Øeksa esa lhVksa dh la[;k rFkk ,sls
 ikB~;Øeksa esa Nk=ksa ds izos'k dh izfØ;k] ftlesa mRrjk[k.M
 ds LFkk;h fuokfl;ksa ds fy, lhVksa ds vkj{k.k dh O;oLFkk Hkh lEefyr gS($\frac{1}{4} V \frac{1}{2}$
 fofHkUu ikB~;Øeksa ds fy, Nk=ksa ls fy, tkus okys 'kqYd(
 $\frac{1}{4} B \frac{1}{2}$ v/;srko`fRr;ka] Nk=o`fRr;ka] v/;;uo`fRr;ksa] fu%'kqYdrk]
 ind vkSj iqjLdkj dh laLFkr djuk($\frac{1}{4} M \frac{1}{2}$ inksa dk l'tu vkSj lekiu
 djuk(
 $\frac{1}{4} < \frac{1}{2}$ fo'ofok;ky; ds Nk=ksa@deZpkjh;ksa ds fo#) vuq'kklukRed
 dk;Zokgh(
 $\frac{1}{4} . k \frac{1}{2}$ vU; ekeys] tks fofgr fd;s tk,aA
 $\frac{1}{4} r \frac{1}{2}$ dqykf/kifr dh fu;qfDr mudh 'kfDr;k; ,oa d`R;($\frac{1}{4} 1 \frac{1}{2}$ O;oLFkkid e.My }kjk cuk;s x;s izFke ifjfu;e jkT; ljdkj ds
 ifjfu;e dSls 29- $\frac{1}{4} 1 \frac{1}{2}$ O;oLFkkid e.My }kjk cuk;s x;s izFke ifjfu;e jkT; ljdkj ds
 vuqeksnu ds fy, izLrr fd;s cuk;s tk;saxs tk;saxs] tks mikUrj ds lkFk ;k
 fcuk mikUrj ds ifjfu;eksa dh izkfIr ds fnuk;d ds rhu ekg ds vUnj
 viuk vuqeksnu ns ldsxA
 $\frac{1}{4} 2 \frac{1}{2}$ tgg; jkT; ljdkj mi/kkjk $\frac{1}{4} 1 \frac{1}{2}$ ds v/khu fofufnZ"V vof/k esa
 ifjfu;eksa ds vuqeksnu ds lEcU/k esa dksbZ fofu'p; djus esa vlQy
 jgrh gS] ogka ;g le>k tk;sxx fd jkT;
 ljdkj us ifjfu;eksa dks vuqeksfnr dj fn;k gSA
 ifjfu;e esa 30- O;oLFkkid e.My jkT; ljdkj ds iwokZuqeksnu ls u, ;k vfrfjDr ifjfu;e
 cuk ldsxk ;k ifjfu;eksa la'kks/ku djus dk la'kks/ku ;k fujlu dj ldsxA
 dh 'kfDr
 fu;e 31- bl vf/kfu;e ds micU/kksa ds v/;k/khu jgrs gq;s] fuEufyf[kr leLr ;k
 muesa ls fdlh fo"k; ds fy, fu;eksa dh O;oLFkk dh tk ldrh gS] tks fuEuor gS(
 vFkkZr~%&
 $\frac{1}{4} d \frac{1}{2}$ fo'ofok;ky; esa Nk=ksa dk izos'k] mudk ukekadu vkSj bl :i
 esa cus jguk(
 $\frac{1}{4} [k \frac{1}{2}$ fo'ofok;ky; dh lHkh mikf/k;ksa vkSj vU; fof'k"Vrkvksa ds
 fy, fu/kkZfjr fd;s tkus okys ikB~;Øe(
 $\frac{1}{4} x \frac{1}{2}$ mikf/k;ksa vkSj fo[k lEcU/kh fof'k"Vrkvksa dks iznku

djuk{

$\frac{1}{4}k\frac{1}{2}$ v?;srko`fRr;ka] Nk=o`fRr;ka] v/;;uo`fRr;k;] ind rFkk
iqjLdkj iznku djus dh 'krsZa{

$\frac{1}{4}^3\frac{1}{2}$ ijh{kkvksa dk lapkyu rFkk ijh{kk ysus okys fudk;ksa]
ijh{kdksa vUrjh{kdksa] lkj.khdkjksa rFkk vuqlhedksa dh
fu;qfDr dh 'krsZ vkSj jhfr rFkk muds drZO;{

$\frac{1}{4}p\frac{1}{2}$ fo'ofok; dh ijh{kkvksa] mikf/k;ksa vkSj vU; 'kSf{kd
fof'k"Vrkvksa ds fy, fy;k tkus okyk 'kqYd{

$\frac{1}{4}N\frac{1}{2}$ fo'ofok; ;k fdlh la?kVd egkfo|ky; esa Nk=ksa ds fuokl dh
'krsZa{

$\frac{1}{4}t\frac{1}{2}$ fo'ofok; ;k fdlh la?kVd egkfo|ky; ds Nk=ksa esa vuq'kklu
cuk, j[kus gsrq{

$\frac{1}{4}>\frac{1}{2}$ Nk=ks ls fofHkUu fo"k;ksa ds fy;s 'kqYd o tek jkf'k fy;k tkus
gsrq{

$\frac{1}{4}\forall\frac{1}{2}$ vU; lHkh fo"k;] ftuds fy, bl vf/kfu;e ds v/khu fufeZr fu;eksa
;k ifjfu;eksa esa izkfo/kku fd;k tk,A
fu;e dSls cuk, 32- $\frac{1}{4}1\frac{1}{2}$ fu;e O;oLFkkid e.My }kjk cuk, tk;saxs vkSj bl izdkj cuk,
x;s fu;e jkT; ljdkj dks tk;ksa vuqeksnu ds fy, izLrqr fd, tk;sksa]
tks fd fu;eksa dh izkfIr ds fnuk;d ls nks ekg ds vanj] mikUrj ds
lkFk ;k fcuk mikUrj ds] viuk vuqeksnu ns ldsxhA

$\frac{1}{4}2\frac{1}{2}$ tgka jkT; ljdkj mi/kkj $\frac{1}{4}1\frac{1}{2}$ ds v/khu fofufnZ"V vof/k esa
fu;eksa ds vuqeksnu ds lEcU/k esa dksbZ Hkh fofu'p; djus esa
vleFkZ gks rks] ogka ;g le>k tk;sxk fd jkT; ljdkj us fu;eksa dks

vuqeksfnr dj fn;k gSA
fu;eksa dks 33- O;oLFkkid e.My] jkT; ljdkj ds iwokZuqeksnu ls u, ;k vfrfjDr fu;e
cuk ldsxk ;k fu;eksa dk la'kksf/kr djus dh la'kks/ku ;k fujlu dj ldsxkA
'kfDr

v/;k;&N

izdh.kZ

mRrjk[k.M ds 34- $\frac{1}{4}1\frac{1}{2}$ fo'ofok; }kjk lapkfyr lHkh ikB~;Øeksa esa izos'k ds
fy, 40 izfr'kr mRrjk[k.M ds LFkk;h

LFkk;h fuokfl;ksa fuokfl;ksa ds fy, vkjf{kr dh tk;saxh] ;fn LFkk;h fuokfl;ksa
gsrq vkjf{kr lhVsa [kkyh jg tkrh gS] rks fjDr lhVsa vU; Nk=ksa }kjk Hkjh tk
ldrh gSA
ds fy, micU/k

$\frac{1}{4}2\frac{1}{2}$ fo'ofok; }kjk lapkfyr fofHkUu ikB~;Øeksa esa
mi/kkj $\frac{1}{4}1\frac{1}{2}$ esa of.kZr izos'kr fo|kfFkZ;ksa] tks
mRrjk[k.M jkT; ds LFkk;h fuoklh gksa] dks fu/kkZfjr
f'k{k.k 'kqYd esas 26 izfr'kr dh NwV iznku dh tk;sxhA

$\frac{1}{4}3\frac{1}{2}$ izns'k ds LFkk;h fuokfl;ksa dks] tks lewg βxP o $\beta ?kP$
Js.kh ds inksa gsrq ;ksX;rk/kkfj;ksa dh bu Js.f.k;ksa esa leLr
inksa ij fu;qfDr;kj dh tk;sxhA

deZpkfj;ksa dh 35- $\frac{1}{4}1\frac{1}{2}$ izR;sd deZpkjh dh fu;qfDr ,d fyf[kr lafonk ds v/khu
dh tk;sxh] tks fo'ofokj; ds ikl lsok 'krsZa j[kh tk;sxh vkSj mldh ,d izfr
lEcU/kkr deZpkjh dks nh tk;sxhA

$\frac{1}{4}2\frac{1}{2}$ deZpkfj;ksa ds fo:) vuq'kklukRed dk;Zokgh fo'ofokj;
ifjfu;eksa esa fufgr izfØ;k ds vuqlkj 'kkflr gksxhA

$\frac{1}{4}3\frac{1}{2}$ fo'ofokj; vkSj fdlh deZpkjh ds chp lafonk ls mRiUu
gksus okys fookn dk lek/kku bl lEcU/k esa cuk, x, ifjfu;e
dh izfØ;k ds vUrxZr fd;k tk,xkA

$\frac{1}{4}4\frac{1}{2}$ bl vf/kfu;e esa fufgr fdlh ckr ds gksrs gq, Hkh
fo'ofokj; ds deZpkfj;ksa dks yksd lsod ugha le>k tk;sxk
vkSj og ges'kk] bl vf/kfu;e ds iz;kstu ds fy;s] ;k vU;Fkk]
fo'ofokj; ds futh jkstxkj ds v/khu jgsxkA

vihy dk 36 fo'ofokj;] ;k fdlh la?kVd egkfo[ky;] {ks=h; dsUnzksa] v/;;u
dsUnzksa] vuqla/kku dsUnzksa vkSj dSfj;j vf/kdkj ,dsMfed IS.VIZ ds izR;sd
deZpkjh dks fo'ofokj; ;k fdlh ,sls egkfo[ky; ds izkpk;Z] {ks=h; dsUnzksa]
v/;;u dsUnzksa vkSj dSfj;j ,dsMfed IS.VIZ ds fdlh vf/kdkjh ;k izkf/kdkjh]
;FkkfLFkfr fofu'p; ds fo:) izcU/k e.My dks] ,sls le; ds vUnj] tks fofgr fd;k tk;s
vihy djus dk vf/kdkj gksxk vkSj ml ij izcU/k e.My ,sls fofu'p; dks] ftlds fo:)
vihy dh xbZ gS iqf"V] mikUrfjr ;k ifjofrZr dj ldsxkA

Hkfo"; fuf/k ,oa 37- fo'ofokj; vius deZpkfj;ksa ds ykHk ds fy,] ,slh jhfr ls vkSj
,slh 'krksZa ds v/;khu jgrs gq, tks isa'ku fofgr fd;s tk;s] ,sls Hkfo"; ;k isa'ku
fuf/k;ksa dk xBu djsxk] tSlk og mfpr le>sA

fo'ofokj; 38- ;fn ;g iz'u mRiUu gks fd D;k dksbZ O;fDr fo'ofokj; ds izkf/kdkjh
;k vU; fudk; ds lnL; ds izkf/kdkj.k vkSj :i esa fof/kor ukfer ;k fu;qDr fd;k x;k
gS] ;k mldk lnL; gksus dk gdnkj gS rks og fo"ku; fudk;ksa ds xBu dqykf/kifr
dks fufnZ"V fd;k tk;sxk] ftldk ml ij fofu'p; vfUre gksxkA
ds ckjs esa fookn

lfefr;ksa dk xBu 39- /kkjk 20 esa mfYyf[kr fo'ofokj; ds fdlh izkf/kdkjh dks ,sls
izkf/kdkjh dh lfefr xBr djus dh 'kfDr gksxh] ftlesa ,sls lnL; gksaxs vkSj
ftudh ,slh 'kfDr;kj gksxh] tks ,slk izkf/kdkjh mfpr le>sA

vkdfLed 40- fo'ofokj; ds fdlh izkf/kdkjh ;k fudk; ds insu lnL;ksa ls fHkUu
lnL;ksa esa ls fdlh vkdfLed fjfDr;ksa dh iwfrZ fjfDr dh iwfrZ mlh jhfr ls dh
tk;sxh] ftl jhfr ls og lnL;] ftldh fjfDr dh iwfrZ djuh gks] pquk x;k gks] vkSj
fjfDr dh iwfrZ djus okyk O;fDr ,sls izkf/kdkjh ;k fudk; dk lnL; ml vof"ku"V vof/k
ds fy, gksxk ftlds fy, og O;fDr] ftldk LFkku og Hkjr@Hkjr gS] lnL; cuk jgrk
gSA

lnHkkoukiw.kZ dh 41- fo'ofok|ky; ds fdlh vf/kdkjh ;k deZpkjh ds fo:) dksbZ okn ;k vU; fof/k dk;Zokgh] fdlh Hkh
 xbZ dk;Zokgh ds ,sls fo"k; ds lEcU/k esa] tks v/;kns'kksa ;k ifjfu;eksa ;k fu;eksa ds micU/kksa ds vuqlj.k esa
 fy, izfrlaj{k.k ln~HkkoukiwoZd dh xbZ gS] ;k dh tkus ds fy, vk'kf;r gSa] laLFkr ugha gksxhA
 laØe.kdkyhu 42- bl vf/kfu;e o ifjfu;eksa ds fdUgha vU; micU/kksa esa fdlh ckr ds gksrs gq, Hkh%&
 micU/k $\frac{1}{4}d\frac{1}{2}$ izFke dqyifr ,oa izFke izfr&dqyifr $\frac{1}{4}$;fn dksbZ gS $\frac{1}{2}$] dh fu;qfDr dqykf/kifr }kjk O;LFkkid
 e.My ds iwokZuqeksnu ls dh tk;sxh vkSj mDr vf/kdkjh rhu o"kZ dh vof/k ds fy, in /kkj.k

djsxk(

$\frac{1}{4}[k\frac{1}{2}$ izFke dqylfpo vkSj izFke foYk vf/kdkjh dh fu;qfDr dqykf/kifr }kjk O;LFkkid e.My ds

iwokZuqeksnu ls dh tk;sxh vkSj mDr vf/kdkjh rhu o"kZ dh vof/k ds fy, in /kkj.k djsxk(

$\frac{1}{4}x\frac{1}{2}$ izFke O;oLFkkid e.My rhu o"kZ ls vuf/kd dh vof/k ds fy, in /kkj.k djsxk(

$\frac{1}{4}?k\frac{1}{2}$ izFke izcU/k e.My] izFke foYk lfefr vkSj izFke fo|k if"kn~ dk xBu] dqykf/kifr }kjk

O;LFkkid e.My ds iwokZuqeksnu ls rhu o"kZ dh vof/k ds fy;s fd;k tk,xkA

LFkk;h foU;kl 43- fo'ofok|ky; }kjk jkT; ljdkj ds uke ls lysTM ik;p djksM+ :i;s dh ,d LFkk;h foU;kl fuf/k

fuf/k jk"V^ah;d`r cSad dh cSad xkjaVh ds #i esa LFkkfir dh tk;sxh] ftldh vof/k ik;p o"kZ dh gksxh] mlds

mijkUr iqu% ik;p o"kZ ds fy, uohuhdj.k dj;k tk;sxkA

lkekU; fuf/k 44- $\frac{1}{4}1\frac{1}{2}$ fo'ofok|ky; }kjk ,d lkekU; fuf/k LFkkfir dh tk;sxh] ftlesa fuEufyf[kr /kujkf'k tek dh

tk;sxh(vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ fo'ofok|ky; }kjk fy;s tkus okys lHkh 'kqYd(

$\frac{1}{4}[k\frac{1}{2}$ fdlh vU; lzksr ls izkIr leLr /kujkf'k(

$\frac{1}{4}x\frac{1}{2}$ izk;ksftr laLFkk }kjk fd;s x;s lHkh va'knku(vkSj

$\frac{1}{4}?k\frac{1}{2}$ fdlh vU; O;fDr ;k fudk; }kjk] ftls rRle; izo`Rr fdlh vU; fof/k }kjk fuf'k) u fd;k x;k gks] bl fufeRr fd;s x;s lHkh va'knku@nkuA

$\frac{1}{4}2\frac{1}{2}$ lkekU; fuf/k esa tek /kujkf'k dk mi;ksx fo'ofok; ds
lHkh vkorZd O;;ksa ds fy;s fd;k

tk;sxkA

fodkl fuf/k 45- $\frac{1}{4}1\frac{1}{2}$ fo'ofok; }kjk ,d fodkl fuf/k Hkh LFkkfir dh tk;sxh] ftlesa
fuEufyf[kr fuf/k;ka tek dh

tk;saxh(vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ fodkl 'kqYd] ftls Nk=ksa ls izHkkfjr fd;k tk;s(

$\frac{1}{4}[k\frac{1}{2}$ fo'ofok; ds fodkl ds iz;kstu ds fy, fdlh vU; lzksr ls izklr leLr /kujkf'k(

$\frac{1}{4}x\frac{1}{2}$ izk;ksfr laLFkk }kjk fd;s x;s lHkh va'knku(

$\frac{1}{4}?k\frac{1}{2}$ fdlh vU; O;fDr ;k fudk; }kjk ftls rRle; izo`Rr fdlh vU; fof/k }kjk fuf'k) u

fd;k x;k gks] bl fufeRr fd;s x;s lHkh va'knku@nku(vkSj

$\frac{1}{4}^3\frac{1}{2}$ LFkk;h foU;kl fuf/k ls izklr leLr vk;A

$\frac{1}{4}2\frac{1}{2}$ le;≤ ij fodkl fuf/k esa tek dh x;h /kujkf'k dk mi;ksx
fo'ofok; ds fodkl ds fy, fd;k tk;sxkA

fuf/k dk vuqj{k.k 46- /kkjk 43] 44 vkSj 45 ds v/khu LFkkfir fuf/k;ksa dks]
O;oLFkkid e.My ds lkekU; i;Zos{k.k vkSj fu;a=.k ds v;/khu jgrs gq;s]
fofgr jhfr ls fofu;fer vkSj vuqj{k.k fd;k tk;sxkA

Okkf'kZd izfrosnu 47- $\frac{1}{4}1\frac{1}{2}$ fo'ofok; dk okf'kZd izfrosnu izcU/k e.My ds
funsZ'kksa ds v/khu rS;kj fd;k tk;sxk vkSj mls O;oLFkkid e.My
dks vuqeksnu ds fy, izLrqr fd;k tk;sxkA

$\frac{1}{4}2\frac{1}{2}$ O;oLFkkid e.My] viuh cSBd esa okf'kZd izfrosnu ij
fopkj djsxk vkSj og mls mikUrj ds lkFk ;k fcuk mikUrj ds
vuqeksfnr dj ldrk gSA

$\frac{1}{4}3\frac{1}{2}$ O;oLFkkid e.My }kjk fof/kor vuqeksfnr okf'kZd
izfrosnu dh ,d izfr] izfro"kZ 31 ekpZ dks lekIr gq, foRr
o"kZ ds vuqorhZ 31 fnlEcj ls igys dqyk;/k $\frac{1}{4}$ foftVj $\frac{1}{2}$ vkSj
jkT; ljdkj dks izsf'kr dh tk;sxhA

ys[kk o ys[kk 48- $\frac{1}{4}1\frac{1}{2}$ fo'ofok; ds okf'kZd ys[kk vkSj rquy i= izcU/k e.My ds
funsZ'kksa ds v/khu rS;kj fd;s ijh[kk tk;saxs vkSj fdlh Hkh lzksr ls
fo'ofok; dks izksn~Hkwr ;k izklr leLr /kujkf'k vkSj ,slh leLr

/kujkf'k dh] ftudk laforj.k ;k Hkqxrku fd;k x;k gks] fo'ofok; }kjk
j[kk x;s ys[kksa esa izfof'V dh tk;sxhA

$\frac{1}{4}2\frac{1}{2}$ fo'ofok; ds okf'kZd ys[kk dh izfro"kZ ys[kk&ijh{k.d
}kjk ys[kk&ijh{k.k dh tk;sxh] tks bULVhV~;wV vkWQ
pkVZMZ ,dkm.VSaV~l vkWQ bf.M;k $\frac{1}{4}$ vkbZñlhñ,ñvkbZñ $\frac{1}{2}$ ds
lnL; gksaA

$\frac{1}{4}3\frac{1}{2}$ ys[kk ijh{kk izfrosnu ds lkFk okf"kZd ys[kkvksa vkSj rgyu&i= dh ,d izfr izfro"kZ 31 ekpZ dks lekIr gksus okys foRrh; o"kZ ds vuqorhZ 31 fnlEcj ls dkQh igys O;oLFkkid e.My dks izLrqr dh tk;sxhA

$\frac{1}{4}4\frac{1}{2}$ O;oLFkkid e.My }kjk okf"kZd ys[kk] rgyu&i= vkSj ys[kk&ijh{kk lEcU/kh izfrosnu ij viuh cSBd esa fopkj fd;k tk;sxk vkSj O;oLFkkid e.My mUgsa mu ij viuh vH;qfDr;ksa ds lkFk izfro"kZ 31 fnlEcj ls igys dqyk/;{k $\frac{1}{4}$ foftVj $\frac{1}{2}$ vkSj jkT; ljdkj dks vxzlkfjr djsxkA

fo'ofokj; ds 49- fo'ofokj; ds dCts esa fo'ofokj; ds fdlh izkf/kdkjh ;k lfefr dh fdlh jlhn] vkosnu] vfHkys[k dks fl) lwpuk] vkns'k] dk;Zokgh ;k ladYi ;k vU; nLrkost ;k fo'ofokj; }kjk lE;d] :i ls djus dh jhfr fof/kor j[kh xbZ fdlh iwath dh dksbZ izfof"V ;fn dqy lfpo }kjk izekf.kr gks rks mls ,slh jlhn] vkosnu] lwpuk] vkns'k] dk;Zokgh] ladYi ;k nLrkost ds ;k iaftdk esa izfo"V gksus ds izFke n"V;k lk{; ds :i esa xzg.k fd;k tk;sxk vkSj mlesa vfHkfyf[kr fo"k; vkSj laO;ogkj ds fy, lk{; ds :i esa mlh izdkj xzg.k fd;k tk;sxk] tSlk fd ;fn ewy izfr izLrqr dh xbZ gks] rks og lk{; ds :i esa Lohdkj gksxhA

fo'ofokj; dk 50- $\frac{1}{4}1\frac{1}{2}$;fn izk;ksftr laLFkk }kjk enjgqM fo'ofokj; ds xBu vkSj fuxeu fu;af=r djus okyh fof/k fo?kVu ds vuqlkj mlds lekiu dk izLrko j[krh gks rks mls jkT; ljdkj dks de ls de rhu ekg dk fyf[kr uksfVl nsuk gksxkA

$\frac{1}{4}2\frac{1}{2}$ fo'ofokj; dh izcU/k iz.kkfy;ksa esa dqizcU/k] dqiz'kklu] vuq'kkluhurk] fo'ofokj; ds mn~ns'; dh iwfrZ esa foQy gksuk ,oa vkfFkZd dBukbZ;ksa dh igpku fd;s tkus ij jkT; ljdkj }kjk fo'ofokj; ds izcU/k O;oLFkk dks funsZ'k tkjh djsxh] ftudk ,slh le; lhek ds v/khu] tSlh fofgr dh tk;] vuqiky u gksus ij fo'ofokj; ds iflekiu dk fu.kZ; ysus dk vf/kdkj jkT; ljdkj esa fufgr gksxkA

$\frac{1}{4}3\frac{1}{2}$ fo'ofokj; dk iflekiu ,slh jhfr ls fd;k tk;sxk] tks bl fo"k; jkT; ljdkj }kjk fofgr fd;s tk;s(ijUrq ;g fd mlds fy, izk;ksftr laLFkk dks ^dkj.k crkvks uksfVl* ds fy, leqfpr volj iznku fd;s fcuk ,slh dksbZ dk;Zokgh vkjEHk ugha dh tk;sxhA

$\frac{1}{4}4\frac{1}{2}$ mi/kkj $\frac{1}{4}1\frac{1}{2}$ esa fufnZ"V uksfVl ds izkIr gksus ij jkT; ljdkj lkafof/kd ifj"kn~ ,oa fo'ofokj; vuqnku vk;ksx ls ijke'kZ djds izk;ksftr laLFkk }kjk fo'ofokj; fo?kVu ds izLrkfor fnukad ls vkSj tc rd fo'ofokj; ds fu;fer ikB~;Øeksa esa Nk=ksa dk vfUre cSp vius ikB~;Øeksa dks ,slh jhfr ls iwjk u dj ys] fo'ofokj; ds iz'kklu dh ,slh O;oLFkk djsxk] tSlh ifjfu;eksa }kjk fofgr dh tk;sA

$\frac{1}{4}5\frac{1}{2}$ fo'ofoky; ds fo?kVu ij lHkh lEifr ,oa nkf;Ro izk;ksftr
laLFkk esa fufgr gks tk,xhA

fo'ofoky; ds 51- $\frac{1}{4}1\frac{1}{2}$ /kkjk 50 ds v/khu fo'ofoky; dk izcU/k xzg.k djus dh
vof/k ds nkSjku mlds iz'kklu ds fo?kVu ds le; fy;s gksus okyk O;;
LFkk;h foU;kl fuf/k] lkekU; fuf/k ;k fodkl fuf/k ls iwjk fd;k tk;sxkA fo'ofoky; ds
 $\frac{1}{4}2\frac{1}{2}$;fn mi/kkjk $\frac{1}{4}1\frac{1}{2}$ esa fufnZ"V fuf/k;ka] fo'ofoky; dk
izcU/k xzg.k djus dh vof/k ds nkSjku O;; mlds iz'kklu ds fy, i;kZIr
ugha gS] rks ,sls O;; dh iwfrZ fo'ofoky; dh lEifr;ksa vFkok
vkfLr;ksa ds fuLrkj.k }kkjk dh tk ldrh gSA

dfBukbZ;ksa dk 52- $\frac{1}{4}1\frac{1}{2}$;fn bl vf/kfu;e ds micU/kksa dks ykxw djus esa
dksbZ dfBukbZ mRiUu gks rks jkT; ljdkj fujkdj.k vf/klwpuk ;k
vkns'k }kkjk ,sls izkfo/kku dj ldrh gS] tks bl vf/kfu;e ds micU/kksa ls vlaxr
u gks vkSj tks dfBukbZ;ksa dks nwj djus ds fy, mls vko';d ;k
lehphu izrhr gks %

ijUrq ;g fd mi/kkjk $\frac{1}{4}1\frac{1}{2}$ ds v/khu dksbZ
vf/klwpuk ;k vkns'k bl vf/kfu;e ds izkjEHk ls rhu o"kZ dh
vof/k dh lekflr ds i'pkr ugha fn;k tk;sxkA

$\frac{1}{4}2\frac{1}{2}$ mi/kkjk $\frac{1}{4}1\frac{1}{2}$ ds v/khu fn;k x;k izR;sd vkns'k]
;Fkk'kh?kz jkT; fo/kku lHkk ds le{k j[kk tk;sxkA

THE MOTHERHOOD UNIVERSITY ACT, 2014

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**THE MOTHERHOOD UNIVERSITY ACT,
2014 [UTTARAKHAND ACT NO 05 OF 2015]**

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to establish and incorporate a Private University in the name of “**Motherhood University**” at Rurkee promoted by Institute of Management & Technology Society registered under Societies Registration Act, 1860 at Roorkee, Uttarakhand to provide and facilitate education, training and research in the areas of Technical education, Higher education, Medical and Dental education, Legal education, Aviation education, Social Sciences, General Sciences and other areas of education.

It is hereby enacted by Uttarakhand State Legislature in the sixty-fifth Year of the Republic of India as follows:

**CHAPTER-1
Preliminary**

Short title and 1. (1) This Act may be called the “Motherhood University” Act, 2014.

Commencement (2) It shall be deemed to have come into force on the date, the notification is issued by State Government in the Official Gazette.

Definitions 2. In this Act, unless the context otherwise required:-

(a) “**Academic Council**” means the Academic Council of the

University; (b) “**Authorities**” means Authorities of the University;

(c) “**Board of Governors**” means the Board of Governors of the

University; (d) “**Board of Management**” means the Board of Management of the University;

(e) “**Board of Studies**” means the Board of Studies of the University;

(f) “**Board of Examinations**” means Board of Examinations of the University;

(g) “**Chancellor**”, “**Pro-Chancellor**”, “**Vice Chancellor**”, “**Pro Vice Chancellor**”, “**Registrar**”, “**Controller of Examinations**”, and “**Finance Officer**” respectively means the “Chancellor”, “Pro-

Chancellor, “Vice Chancellor”, “Pro Vice Chancellor”, “Registrar”, “Controller of Examinations”, and “Finance Officer” of the University;

(h) “**Campus**” means the campus of the University;

(i) “**Constituent College**” means a college or institution maintained by the University;

(j) “**Career Academy Centre**” means such centre which is established,

conducted and recognized by the University for the purposes of acceptance of e-mails, internet, interactive talk, training, lectures, conduct of seminar and workshops, guidelines, consultation or any type of necessary help for students;

(k)“Director” of campus or Principal/Dean regarding Constituent College means the Head of that campus or Constituent College and where there is no Director/Principal/Dean appointed, any other person for the time being appointed is also included;

(l)“Distance Education System” means the system of imparting education within the State through any means of information technology and communication such as multimedia, broadcasting, telecasting, online over internet, other interactive methods, e-mails, internet, computer, interactive talk, e-learning, correspondence courses, seminars, contact programmes or a combination of any two or more of such means;

(m)“Deposits” means collection made by the University from the students under the name Deposits, which is refundable;

(n)“Dean of Faculty” means the Dean of Faculty of the University;

(o)“Department” means a department (Academic Unit) of a college, teaching and undertaking research in a subject or a group of subjects;

(p)“Employee” means employee appointed by the University; and includes teachers and other staff of the University or of Constituent College;

(q)“Finance Committee” means Finance Committee of the University; **(r)“Faculty”** means faculty of the University;

(s)“Fee” means collection made by the University from the students under the name Fee, which is not refundable;

(t)“Government” means the State Government of Uttarakhand;

(u)“Hall” or “Hostel” means a unit for residence for students maintained or recognized by the University or Constituent College;

(v)“Motherhood Institute of Management & Technology Society” means a society registered under The Society Registration Act, 1860, having registered office at MIMT Compound Vill- Karoundi, Post-Bhagwanpur, Roorkee, 247667;

(w)“Promoting Society” means Motherhood Institute of Management & Technology Society, registered under The Society Registration Act, 1860;

(x)“Prescribed” means prescribed by the Statutes;

(y)“Permanent Resident” means any resident of the state who has the valid domicile/ permanent resident certificate issued by the prescribed authority as per the rules framed by the State Government from time to time;

(aa) "Regional Centre" means a centre established or maintained by the University for the purpose of co-ordinating and supervising the work of Study Centres in any region and for performing such other functions as may be conferred on such centre by the Board of Management;

(bb) "State" means State of Uttarakhand;

(cc) "Statutes", “Rules” and “Ordinance” means, respectively, the “Statutes”, “Rules” and “Ordinance” of the University made under this Act;

(dd) "Study Centre" means a centre established, maintained or recognized by the University for the purpose of advising, counselling or for rendering any other assistance required by the students;

(ee) "Teacher" means a Professor/Dean, Associate Professor, Assistant Professor/Lecturer or such other person as may be appointed for imparting instruction or conducting research in the University or in Constituent Colleges and institution and includes the Principal/ Dean of the Constituent College;

(ff) "UGC" means the University Grants Commission established under the University Grants Commission Act, 1956;

(gg) "University" means the "Motherhod University" under this Act;

(hh) "Bodies" means the bodies of the University constituted by the relevant authorities;

(ii) "Visitor" means the Visitor of the University.

CHAPTER - II

The University and its Objects

Proposal for 3.

Establishment of University provisions of

(1) The Promoting Society means Motherhood Institute of Management the &Technology Society, Roorkee, Uttarakhand shall have the right to

establish the Motherhood University in accordance with the this Act.

(2) An application containing the proposal to establish a University has been made to the State Government by Promoting Society.

The proposal contained the following particulars, namely:-

(a) the objects of the University alongwith the details of Promoting Society; **(b)** the extent and status of the University and the availability of land; **(c)** the nature and type of programs of study and research to be undertaken in the University during a period of the next five years;

(d) the nature of faculties, courses of study and research proposed to be started;

(e) the campus development such as buildings, equipment and structural amenities;

(f) the phased outlays of capital expenditure for a period of the next five years;

(g) the item-wise recurring expenditure, sources of finance and estimated expenditure for each student;

(h) the scheme for mobilizing resources and the cost of capital thereto and the manner of repayments to each source;

(i) the scheme of generation of funds internally through the recovery of fee from students, revenues anticipated from consultancy and other activities relating to the objects of the University and other anticipated incomes;

(j) the details of expenditure on unit cost, the extent of concessions or rebate in fee, free ship and scholarship for students who are permanent resident of the State and the fee structure indicating varying rate of fee, if any, that would be levied on non resident Indians and students of other nationalities;

(k) the years of experience and expertise in the concerned discipline at

the command of Promoting Society as well as the detail of financial resources;

(l) the system for selection of students to the courses of study at the University;

(m) Status of fulfillment of such other conditions as may be required by the State Government to be fulfilled before the establishment of the University.

Establishment 4. (1) Where the State Government, after such inquiry is of University satisfied that Promoting Society, has fulfilled the conditions, norms and requirements for establishment of Motherhood University, hence a University to be known as Motherhood University is hereby established.

(2) The University shall be a body corporate by the name “Motherhood University” and shall have a perpetual succession and a common seal and shall sue and be sued by its name.

(3)(a) The main campus of the University shall be at Roorkee, Uttarakhand.

It may also have Campuses or regional centers, study centers at other places provided that the procedures established by the UGC and other statutory bodies shall be complied with. The University can open its second campus within the State after 5 (five) years of its coming into existence with prior approval of the State Government. The University can open other campuses any time in a hill region located at an altitude greater than 2500 feet without any time limit,

(b) However, to establish new faculties where additional land would be required as per norms of the concerned regulatory body, the University shall establish a split campus either adjoining or nearby within Roorkee.

(4) The Chancellor, the Pro-Chancellor, the Vice-chancellor, Pro-Vice Chancellor, Registrar, members of the Board of Governors, members of Board of Management and the Academic Council for the time being holding office as such in the University so established, shall constitute a body corporate and can sue and be sued in the name of the University.

(5) On the establishment of the University under sub-section (1), the land and other moveable and immoveable properties acquired, created, arranged or built by Promoting Society, for the purpose of the University shall stand transferred to, and vest in the University.

(6) The available land, building, various department/faculties of the University shall be must according the standard of Apex Regulatory Commission.

(7) The infrastructural and other facilities of the University campus, off campus center, study center etc. shall be maintained as per the standards laid down by the UGC and other apex regulatory bodies.

State not under 5.
demand any Statutory

The University shall be self financing and shall neither make a nor shall be entitled to any grant-in-aid or any other

financial assistance **Obligation to**

grant Financial

from the State Government or any other body or corporation owned

or

Assistance to

controlled by the State Government. However the University shall entitled to receive any such grant which may be granted under any special scheme of the State Government or any other body or corporation. This shall have no effect on the self-finance status of University.

be theUniversity

the

No Power to 6.

The University may have off-campus centers, Constituent Colleges, **Affiliate** Regional Centres, Study Centres and Career Academic Centres but

Any

shall Institution

have no power to admit any other college or institution to the of affiliation.

privileges

Objects of the 7.

The objectives for which the University is established areas follows:-

University

(a) to provide instructions, teaching, training and research in all pertaining to Technical education, Higher education, Medical and education, Legal education, Aviation education, Social Sciences, Sciences and other areas of education;

disciplines

Dental

General

(b)to establish campuses or Constituent Colleges of Technical

education,

Higher education, Medical and Dental education, Legal education,

Aviation education, Social Sciences, General Sciences and other areas

of

education for offering certificate, diploma, graduate degree, post

graduate

degree and Doctoral degree which would be as nominated by the

University Grants Commission but the University shall, have the right to start other diploma and certificate courses in furtherance of its

Objectives;

(c)to establish a Constituent Centre for Continuing Education to provide instructions through the distance learning methodology for the mentioned in programs as given in clause (b) above;

courses

(d)to establish examination centres;

(e)to institute degrees, diplomas, certificates, and other academic

distinctions on the basis of examination, or any other such method;

(f)to establish research and development centre to promote research and

innovations in the Technical education, Higher education, Medical and

Dental education, Legal education, Aviation education, Social Sciences,

General Sciences and other areas of education through Seminars,

conferences, workshops, educational programmes,

community

development

program, publications, training programmes, and study

groups etc.;

(g)to undertake extra-mural studies, extension programmes and field outreach activities to contribute to the development of the society;

(h)to set up Off-shore campuses as per the provision laid down by UGC.

(i)to pursue any other objective as may be approved by the Board of Governors within the rules of the State Government and UGC;

Powers of 8.

(1) The University shall have the following powers; namely:-

the University

(a) to provide for instructions in all disciplines pertaining to

Technical

education, Higher education, Medical and Dental education,

Legal Sciences research and feasible degrees constituent Statutes/Provisions; prizes etc. in case time to completion of the shall and	education, Aviation education, Social Sciences, General and other areas of education and to make provision for for the advancement and dissemination of knowledge; (b) to carry out all such other activities as may be necessary or in furtherance of the objects of the University; (c) to hold examinations for, and to institute grant and confer or other academic distinctions to, and on, persons, who: (1) have pursued a course of study in the University or in a constituent College or through its distance education system at Regional Centre/ Study Centre/ Career Academy Centre; or (2) have carried on research in the University or in a body or under its distance education center; (d) to confer honorary degrees or other academic distinctions in the manner and under conditions laid down in the (e) to institute and award fellowships, scholarships and accordance with the Statutes; (f) to demand and receive such fees, deposits, bills, invoices and collect charges as may be fixed by the Statutes or rules, as the may be; (g) to establish, maintain and recognize such Regional Centres and Study Centres as may be determined by the University from time in the manner laid down by the Statutes after the five years of the University. In this regard the guidelines of State Government and UGC as applicable from time to time be followed; (h) to make provisions for extra curricular activities for students employees; (i) to make appointments of faculty, officers and employees of the university or a Campus College, Constituent College, Regional Centres, Study Centres, Research Centres, Career Academy Centre; (j) to receive donations and gifts of any kind and to acquire, hold, manage, maintain and dispose of any movable or immovable property, for the purpose of the University or a Constituent College, or a Regional Centre, Study Centre and Career Academy Centre with prior permission of the Promoting Society; (k) to institute and maintain halls/hostels and to recognize places of residence for students of the University or a Constituent College; (l) to supervise and control the residence of students and to regulate the discipline among the students and all categories of employees and to lay down the conditions of service of such employees including their Code of Conduct; (m) to create Academic, Administrative, and Supporting staff and other necessary posts; (n) to co-operate and collaborate with other Universities, Institutions, Organizations, Individuals, Industries and Societies in India and abroad in such a manner and for such purposes as the University may determine from time to time; (o)
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to provide distant education system and the manner in which distance education in relation to the academic programmes of the University may be organized;

(p) to organize and conduct refresher course, orientation courses, workshops, seminars and other programmes for teachers, lesson writers, evaluators and other academic staff;

(q) to determine standards of admission to the University or a Constituent College, Regional Centres, Study Centres, with the approval of Academic Council;

(r) to make special provision for permanent resident of Uttarakhand for admission in any course of the University or in a Constituent

College, Regional Centre, Study Centre, Research Centre and Career Academic Centre as per merit;

(s) to prescribe such courses for Bachelor Degree, Post Graduate Degree, Doctor of Philosophy, Doctor of Science Degree and Research and to start Diploma, Certificates in Technical education, Higher education, Medical and Dental education, Legal education, Aviation education, Social Sciences, General Sciences and other areas of education which would be covered by UGC and other statutory bodies;

(t) to clearly set apart the academic activities of the University from the activities of the Promoting Society;

(u) to provide for the preparation of instructional materials, including films, cassettes, tapes, video cassettes, CD, DVD and other softwares;

(v) to recognise examinations of, or periods of study (whether in full or in part) of other Universities, Institutions or other places of higher learning as equivalent to examinations or periods of study in the University and to withdraw such recognition at any time;

(w) to raise, collect, subscribe and borrow funds with the approval of the Board of Governors whether on the security of the property of the University, money for the purposes of the University;

(x) to enter into, carry out, amend or cancel contracts;

(y) to do all such other acts or things whether incidental to the powers aforesaid or not, as may be necessary to further the objects of the University;

(z) to sue or be sued in its own name as a Legal Entity in any Court of Law, Tribunal or Authority through its authorized officer.

- (2)** Notwithstanding anything contained in any other law for the time being in force but without prejudice to the provisions of sub-section (1), it shall be the duty of the University to take all such steps as it may deem fit for the promotion of the university and distance education system and for the determination of standards of teaching, evaluation and research in such systems and for the purpose of performing this function, the

University shall have such powers, including the power to allocate and disburse grants to Colleges, Regional Centres and Study Centres and Career Academy Centres, whether admitted to its privileges or not or to any other University or institution of higher learning, as may be specified by the Statutes.

University open 9.
caste, to all classes,
castes, creed
and gender
prevent the
permanent

The University shall be open to all persons irrespective of class, creed or, gender ;

Provided that nothing in this section shall be deemed to University from making special provisions for admission to resident of Uttarakhand ;

or

Provided further that nothing in this section shall be deemed to require the University or constituent colleges or Regional Centres Study Centres or Career Academy Centres to admit in any course of study a larger number of students than may be determined by the

statutes;

National 10.
Accreditation

The University shall seek accreditation from respective national accreditation bodies.

CHAPTER – III

Officers of the University

University's
Officers

11. The following shall be the officers of the University; namely:-

- (a) the Visitor;
- (b) the Chancellor;
- (c) the Pro-Chancellor;
- (d) the Vice-Chancellor;
- (e) the Pro Vice-Chancellor;
- (f) the Registrar;
- (g) the Deans of Faculties;
- (h) the Finance Officer; and
- (i) such other officers as may be declared by the Statutes to be the University.

officers of
Visitor

12. (1) The Governor of Uttarakhand will be the Visitor of the University.

(2) The Visitor shall, when present, preside at the convocation of the University for conferring degrees and diplomas.

(3) The Visitor shall have the following powers namely:-

(a) To call for information relating to the affairs of the University; (b) On the basis of the information received by the Visitor, if he is satisfied that any order, proceeding, or decision taken by any authority of the University is not in conformity with the Decision, Act, Regulations, Statutes, or Rules, he may issue such directions as he may deem fit in the interest of the University and the directions so issued shall be complied by all concerned.

(c) Every proposal for the conferment of an honorary degree shall be subject to the approval of the Visitor.

The
Chancellor

13. (1) The Chancellor may be appointed from amongst or by the members of the Promoting Society.

(2) The Chancellor shall have such powers as may be conferred on him by this Act or the Statutes made thereunder.

The Pro-**members Chancellor****14. (1)** The Pro-Chancellor may be appointed from amongst or by the of the Promoting Society.**(2)** The Pro-Chancellor shall have such powers as may be conferred on him by this Act or the Statutes made thereunder.**The Vice-****as Chancellor****Board****15. (1)** The Vice-Chancellor shall be appointed on such terms and conditions may be prescribed by the statutes for a term of three years by the of Governors from a panel of three persons recommended by the Committee constituted in accordance with the provisions of sub-section **(2).****(2)** The Committee referred to in sub-section (1) shall consist of the following persons, namely:-**(a)** Chancellor;**(b)** The Principal Secretary/Secretary to the State Government in the Higher Education Department;**(c)** Three nominees of the Board of Governors;**(d)** One person nominated by the Promoting Society, who shall be the convenor of the committee.**(3)** The committee shall, on the basis of merit, prepare a panel of names of three persons suitable to hold the office of the Vice-Chancellor and forward the same to the Board of Governors alongwith a concise statement showing the academic qualifications and other distinctions of each person.**(4)** The Vice-Chancellor shall be the Principal executive and academic officer of the University and shall exercise general supervision and control over the affairs of the University and give effect to the decisions of the authorities of the University.**(5)** Where any matter other than the appointment of a teacher is of urgent nature requiring immediate action and the same could not be immediately dealt with by any officer or the authority or other body of the University empowered by or under this Act to deal with it, the Vice-Chancellor may take such action as he may deem fit with the prior approval of the Chancellor.**(6)** The Vice-Chancellor shall exercise such other powers and perform such other duties as may be laid down by the Statutes or the rules.**(7)** The Chancellor after due approval from the Board of Governors is empowered to remove the Vice-Chancellor after due enquiry. It will be open to the Chancellor to suspend the Vice-Chancellor during enquiry depending upon the seriousness of the charges, as he may deem fit.**The Pro-Vice Chancellor****exercise Statutes.****16.** A Pro-Vice-Chancellor may be appointed by the Chancellor with prior approval of the Board of Governors in such manner and shall exercise such powers and perform such duties as may be prescribed by**The Registrar****17. (1)** The Registrar shall be appointed by the Chancellor in such manner and on such terms and conditions as may be prescribed.**(2)** All contracts shall be entered into and signed by the Registrar on behalf of the University.**(3)** The Registrar shall have the power to authenticate records on behalf of the University and shall exercise such other powers and

perform such other duties as may be prescribed or may be required from time to time, by the Chancellor or the Vice-Chancellor.

- (4) The Registrar shall be responsible for the due custody of the records and the common seal of the University and shall be bound to place before the Chancellor, the Vice-Chancellor or any other authority, all such information and documents as may be necessary for transaction of their business.

Deans of 18. Deans of faculties shall be appointed by the Vice-Chancellor with **Faculties** approval of Chancellor in such manner and shall exercise such powers and perform such duties as may be prescribed by Statutes.

The Finance 19. Officer The Finance Officer shall be appointed by the Chancellor in such manner and shall exercise such powers and perform such duties as may be prescribed by the Statutes.

Other Officer 20. The manner of appointment, terms and conditions of service and powers and duties of the other officers of the University shall be such as may be prescribed by the Statutes.

CHAPTER - IV

Authorities of the University

Authorities of 21. the University The following shall be the authorities of the University; namely:-

- (a) The Board of Governors;
- (b) The Board of Management;
- (c) The Academic Council;
- (d) The Finance Committee; and
- (e) Such other authorities as may be declared by the Statutes to be authorities of the University.

The Board of 22. (1) The Board of Governors shall consist of:-

Governors and shall its powers (a) Chairman and Co-chairman (if any) of the Board of Governors be nominated from amongst the members of the Promoting Society;

(b) The Chancellor -Vice Chairman;

(c) The Vice-Chancellor - Member Secretary;

(d) Two Academicians nominated by the Visitor;

(e) Principal Secretary/Secretary to the State Government in the Higher Education Department ;

(f) Five members nominated by the Promoting Society;

(g) Two members nominated by the Chairman, Promoting Society from reputed higher education institutions;

(h) Two members nominated by the Chairman, Promoting Society from reputed industrial/ corporate sector/ reputed practicing professionals.

(2) The Board of Governors shall be the Principal Governing Body of the University and shall have the following powers, namely:

(a) to lay down policies to be pursued by the University;

(b) to review decisions of the other authorities of the University if they are not in conformity with the provisions of this Act, or the Statutes or the Rules;

(c)

to approve the budget and annual report of the University; (d) to make new or additional Statutes or amend or repeal the earlier Statutes and Rules; .

(e) to take decision about voluntary winding up of the University;

(f) to approve proposals for submission to the State Government;

and (g) to take such decisions and steps as are found desirable for effectively carrying out the objects of the University;

(h) to appoint the Statutory Auditors of the University;

(i) to open, close, operate and manage accounts of the University.

(3) The Board of Governors shall, meet at least twice in a year at such time and place as the Chairman, Board of the Governors thinks fit.

The Board of Management 23. (1) The Board of Management shall consist;namely:- **Management** (a) The Vice-Chancellor - Chairman;

(b) The Pro Vice-Chancellor, if any;

(c) One member nominated by the Chancellor;

(d) Five members, nominated by the Institute of Management & Technology Society, Roorkee;

(e) Two Professors of the University, by rotation as nominated by the Chancellor;

(f) Two Deans of the faculties, by rotation as nominated by the Chancellor;

(g) Principal Secretary/Secretary to the State Government of the Higher Education Department;

(h) The Registrar shall be non-member Secretary;

(2) The Board of Management shall be the Principal Managing body of the University.

(3) The powers and functions of the Board of Management shall be such as may be prescribed by the Statutes.

The Academic Council 24. (1) The Academic Council shall consist of :- (a) the Vice-Chancellor - Chairman.

(b) the Registrar - Secretary;

(c) such other members as may be prescribed in the Statutes.

(2) The Academic Council shall be the Principal Academic Body of the University and shall, subject to the provisions of this Act, the Rules and the Statutes, co-ordinate and exercise general supervision over the academic policies of the University.

(3) The powers and functions of the Academic Council shall be such as may be prescribed by the Statutes.

The Finance Committee 25. (1) The Finance Committee shall consist of, namely:- (a) the Vice-Chancellor - Chairman;

(b) the Finance Officer - Secretary;

(c) Principal Secretary/Secretary to the State Government of the

Higher Education Department;

(d) such other members as may be prescribed In the Statutes.

(2) The Finance Committee shall be the principal financial body of the University to take care of financial matters and shall, subject to the provisions of this Act, Rules, Statutes, co-ordinate and exercise general supervision over the financial matters of the University.

(3) The powers and functions of the Finance Committee shall be such as may be prescribed by the Statutes.

Other 26. the **Authorities**

The constitution, powers and functions of the other authorities of University shall be such as may be prescribed by the Statutes.

Proceedings 27. invalid **not invalidated** in the **on account of** **vacancy**

No act or proceeding of any authority of the University shall be merely by reason of the existence of any vacancy or defect constitution of the authority.

CHAPTER - V **Statutes and Rules**

Statutes 28. any

Subject to the provisions of this Act, the Statutes may provide for matter relating to the University and staff, as follows:-

and

powers and

(a) transaction of business of the Authorities of the University and procedure of constitution of such units, which is not specified in this Act;

(b) the operation of the permanent endowment fund, the general fund the development fund;

(c) the terms and conditions of appointment of the Vice-Chancellor, Pro Vice-Chancellor, Registrar and the Finance Officer and their functions;

(d) the mode of recruitment and the conditions of service of the other officers, teachers and employees of the University;

(e) resolving disputes between the University and its officers, faculty members, employees and students;

(f) creation, abolition or restructuring of departments and faculties;

(g) the manner of co-operation with other Universities or institutions of higher learning;

(h) conferment of honorary degrees;

(i) grant of freeships and scholarships;

(j) number of seats in different courses of studies and the procedure of admission of students to such courses including reservation of seats for permanent resident of Uttarakhand;

(k) the fee chargeable from students for various courses of studies;

(l) institution of fellowships, scholarships, studentships, freeships, medals and prizes;

(m) creation and abolition of posts;

(n) disciplinary action against students/ employee of the University;

(o) other matters which may be prescribed and deemed necessary for framing of the Statutes.

(p) appointment of the chancellor his power and functions;

Statutes how 29. (1) submitted to **made**

The first Statutes made by the Board of Governors shall be the State Government for its approval, which may, within

three months
without

from the date of receipt of the Statutes give its approval with or modification.

- (2) Where the State Government fails to take any decision with respect to the approval of the Statutes within the period specified under subsection (1) it shall be deemed to have been approved by the State Government.

**Power to
amend the
the Statutes**

30. The Board of Governors may, with the prior approval of the State Government, make new or additional Statutes or amend or repeal

existing Statutes.

**Rules
or an**

31. Subject to the provisions of this Act, the Rules may provide for all of the following matters, namely:-

- (a) Admission of students to the University and their enrolment and continuance as such;
- (b) The courses of study to be laid down for all degrees and other academic distinctions of the University;
- (c) The award of degrees and other academic distinctions;
- (d) The conditions of the award of fellowships, scholarships, studentships, medals and prizes;
- (e) The conduct of examinations and the conditions and mode of appointment and duties of examining bodies, examiners, invigilators, tabulators and moderators;
- (f) The fee to be charged for admission to the examinations, degrees and other academic distinctions of the University;
- (g) The conditions of residence of the students at the University or a Constituent College;
- (h) Maintenance of discipline among the students of the University or a Constituent College;
- (i) The Fee and Deposits chargeable from students for various courses of studies;
- (j) All other matters as may be provided in the Statutes and rules under the Act.

**Rules how
made
which
its**

32. (1) The Rules shall be made by the Board of Governors and the rules so made shall be submitted to the State Government for its approval, may, within two months from the date of receipt of the rules, give approval with or without modifications.

- (2) Where the State Government fails to take any decision with respect to the approval of the rules within the period specified under subsection (1), it shall be deemed to have been approved by the State Government.

**Power to
amend Rules
Rules.**

33. The Board of Governors may, with the approval of the State Government, make new or additional rules or amend or repeal the

CHAPTER-VI Miscellaneous

Provisions for 34. (1) For admission in various courses conducted by the University, 40 percent **Permanent**

**Resident of
Uttarakhand**

seats shall be reserved for the permanent residents of State of

Uttarakhand, and if the reserved seats are vacant, then the said vacant seats may be filled by the other candidates.

- (2) For tuition fees fixed for various courses conducted by the University, 26 percent rebate shall be given to the permanent residents of the State of Uttarakhand who shall seek admission as per sub-clause (1) above.
- (3) All posts of Group 'C' and 'D' employees shall be filled by the permanent residents of the State of Uttarakhand.

**Conditions of
shall Service of
the employees**

- 35. (1) Every employee shall be appointed under a written contract, which be kept in the University and a copy of which shall be furnished to employee concerned.
- (2) Disciplinary action against any employee shall be governed by procedure prescribed in the Statutes.
- (3) Any dispute arising out of the contract between the University and an employee shall, be resolved by the procedure prescribed by the relevant Statutes.
- (4) Notwithstanding anything contained in this Act, the employees of the University shall not be deemed to be public servant and would always remain as under the private employment of the University for the purpose of this Act or otherwise.

**Right to appeal
College,**

- 36. Every employee or student of the University or of a Constituent Regional Centre, Study Centre and Career Academy Centres shall, notwithstanding anything contained in this Act, have a right to appeal within such time as may be prescribed, to the Board of Management against the decision of any officer or authority of the University or of the Principal of any such Constituent College, Regional Centre, Study Centre and Career Academy Centres, as the case may be, and there upon the Board of Management may confirm, modify or change the decision appealed against.

**Provident
Fund and
may
Pensions**

- 37. The University shall constitute for the benefit of its employees such provident or pension fund and provide such insurance scheme as it deem fit in such manner and subject to such conditions as may be prescribed.

**Disputes as to
nominated
constitution of
other
University
Authorities
Chancellor,
and Bodies**

- 38. If any question arises as to whether any person has been duly or appointed as, or is entitled to be a member of any authority or body of the University, the matter shall be referred to the whose decision thereon shall be final.

- Constitution of Committees of** 39. Any authorities of the University mentioned under section 20 will be empowered to constitute a committee of such authority, consisting of such members and having such powers as the authority may deem fit.
- Filling of members, Casual Vacancies** 40. Any casual vacancy among the members, other than ex-officio of any Authority or body of the University shall be filled in the same manner in which the member whose vacancy is to be filled up, was chosen, and the person filling the vacancy shall be a member of such authority or body for the residue of the term for which the person whose place he/she fills would have been a member.
- Protection of other action taken in good faith** 41. No suit or other legal proceedings shall lie against any officer or employee of the University for anything, which is done in good faith or intended to be done in pursuance of the provisions of this Act, the Statutes or the Rules.
- Transitional Provisions** 42. Notwithstanding anything contained in any other provisions of this Act and the Statutes:
- (a) The first Vice-Chancellor and Pro-Vice-Chancellor, if any shall be appointed by the Chancellor after due approval from the Board of Governors and the said officer shall hold office for a term of three years;
 - (b) The first Registrar and the first Finance Officer shall be appointed by the Chancellor after due approval from the Board of Governors who shall hold office for a term of three years;
 - (c) The first Board of Governors shall hold office for a term not exceeding three years;
 - (d) The first Board of Management, the first Finance Committee and the first Academic Council shall be constituted by the Chancellor after due approval from the Board of Governors for a term of three years.
- Permanent Five Endowment Fund Bank pledged in five** 43. The University shall establish a permanent endowment fund of Rs. crore in the form of a Bank Guarantee of a Nationalized the name of State Government of Uttarakhand which tenure shall be years and after that shall be renewed for five years again.
- General Fund** 44. (1) The University shall establish a general fund to which the following amount shall be credited, namely:-

person being in	(a) all fees which may be charged by the University; (b) all sums received from any other source; (c) all contributions made by the Promoting Society; (d) all contributions/donations made in this behalf by any other or body, which are not prohibited by any law for the time force. (2) The funds credited to the general fund shall be applied to meet all the recurring expenditure of the University.
Development Fund	45. (1) The University shall also establish a development fund to which the following funds shall be credited, namely:- (a) development fees which may be charged from students; (b) all sums received from any other source for the purposes of the development of the University; (c) all contributions made by the Promoting Society; (d) all contributions/donations made in this behalf by any other or body which are not prohibited by any law for the time force; (e) all incomes received from the permanent endowment fund. (2) The funds credited to the development fund from time to time shall be utilized for the development of the University.
Maintenance of Fund regulated Annual Report direction	46. The funds established under sections 43, 44 and 45 shall, subject to general supervision and control of the Board of Governors, be and maintained in such manner as may be prescribed. 47. (1) The annual report of the University shall be prepared under the of the Board of Management and shall be submitted to the Board of Governors for its approval. (2) The Board of Governors shall consider the annual report in its meeting and may approve the same with or without modification. (3) A copy of the annual report duly approved by the Board of Governors shall be sent to the Visitor and the State Government before 31 December following close of the financial year in 31 March each year.
Account and Audit funds all maintained by	48. (1) The annual accounts and balance sheet of the University shall be prepared under the direction of the Board of Management and all accruing to or received by the University from whatever source and amount disbursed or paid shall be entered in the accounts the University. (2) The annual accounts of the University shall be audited by an auditor, who is a member of the Institute of Chartered Accountants of India (I.C.A.I.), every year. (3) A copy of the annual accounts and the Balance sheet together with the audit report shall be submitted to the Board of Governors well before 31 December following close of the financial year in 31 March each year. (4) The annual accounts, the Balance sheet and the audit report shall be considered by the Board of Governors at its meeting and the Board of Governors shall forward the same to the Visitor and the State Government alongwith its observations thereon before the 31st December each year.

Mode of proof 49.
resolution of University
documents in record

maintained by
 prima

A copy of any receipt, application, notice, order, proceeding or
 of any authority or committee of the University or other

possession of University or any entry in any register duly
 the University, if certified by the Registrar, shall be received as

facie evidence of such receipt, application, notice, order,
 proceeding, resolution or document or the existence of entry in the
 register and shall be admitted as evidence of the matters and
 transaction therein recorded where the original thereof would, if
 produced, have been admissible in evidence.

Dissolution of
University

the

50. (1) If Promoting Society proposes dissolution of the “Motherhood
 University” in accordance with the law governing its constitution or
 incorporation, it shall give at least three months notice in writing to
 State Government.

(2) On identification of mismanagement, mal-administration, in-
 discipline, failure in the accomplishment of the objects of
 University and economic hardships in the management systems of
 University, the State Government would issue directions to the
 management system of University, if the directions are not
 followed within such time as may be prescribed, the right to take
 decision for winding up of the University would vest in the State
 Government.

(3) The manner of winding up of the University would be such as may
 be prescribed by the State Government in this behalf :

Provided that no such action will be initiated without affording a
 reasonable opportunity to show cause to the Promoting Society;

(4) On receipt of the notice referred to in sub-section (1), the State
 Government shall, in consultation with University Grant Commission,
 make such arrangements for administration of the University from the
 proposed date of dissolution of the “Motherhood University” and until
 the last batch of students in regular courses of studies of the University
 complete their courses of studies in such manner as may be prescribed
 by the Statutes.

(5) On the dissolution of the University, all the assets and liabilities of
 the University shall vest in the Promoting Society.

Expenditure of
University
the during
dissolution
fund.

51. (1) The expenditure for administration of the University during the
 dissolution of the University under section 50 shall be met out of

permanent endowment fund, the general fund or the development

(2) If the funds referred to in sub-section (1) are not sufficient to meet
 the expenditure of the University during the dissolution of the
 University, such expenditure may be met by disposing of the
 properties or assets of the University.

Removal of
Difficulties
 provisions,

52. (1) If any difficulty arises in giving effect to the provisions of this Act, the
 State Government may, by a notification or order, make such
 not inconsistent with the provisions of this Act, as appear to it to be
 necessary or expedient, for removing the difficulty:

Provided that no notification order under sub-section (1) shall be made after the expiration of a period of three years from the commencement of this Act.

(2) Every order made under sub-section (1) shall, as soon as may be after it is made, be laid before the State legislature.

विधेयक का खण्डवार विवरणों का ज्ञापन

उत्तराखण्ड राज्य में प्रस्तावित विधेयक मदरहुड विश्वविद्यालय विधेयक, 2014 को अधिनियमित किये जाने

का निर्णय लिया गया है।

1. विधेयक के खण्ड 1 में विधेयक का संक्षिप्त नाम और प्रारम्भ के विषय में व्यवस्था उपबन्धित किया जाना प्रस्तावित है।
2. विधेयक के खण्ड 2 में परिभाषा खण्ड उल्लिखित किया जाना प्रस्तावित है।
3. खण्ड 3 में विश्वविद्यालय की स्थापना के प्रस्ताव के लिए उपबन्ध किये जाने प्रस्तावित है।
4. खण्ड 4 में विश्वविद्यालय की स्थापना के लिए उपबन्ध किये जाने प्रस्तावित है।
5. खण्ड 5 में राज्य किसी भी सांविधिक दायित्व के अधीन विश्वविद्यालय को वित्तीय सहायता प्रदान करने के लिए बाध्य नहीं होने के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
6. खण्ड 6 में किसी संस्था को सम्बद्ध करने की शक्ति न होने हेतु उपबन्ध किया जाना प्रस्तावित है।
7. खण्ड 7 में विश्वविद्यालय के उद्देश्य के लिए उपबन्ध किये जाने प्रस्तावित है।
8. खण्ड 8 में विश्वविद्यालय की शक्तियों के लिए उपबन्ध किया जाना प्रस्तावित है।
9. खण्ड 9 में विश्वविद्यालय में सभी वर्ग, जाति एवं लिंग की पहुँच के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
10. खण्ड 10 में राष्ट्रीय/प्रत्यायन विषयक उपबन्ध किये जाने प्रस्तावित है।
11. खण्ड 11 में विश्वविद्यालय के अधिकारियों के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
12. खण्ड 12 में कुलाध्यक्ष (विजिटर) के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
13. खण्ड 13 में कुलाधिपति के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
14. खण्ड 14 में प्रति-कुलाधिपति के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
15. खण्ड 15 में कुलपति हेतु उपबन्ध किया जाना प्रस्तावित है।
16. खण्ड 16 में प्रति कुलपति के लिए उपबन्ध किया जाना प्रस्तावित है।
17. खण्ड 17 में संकायाध्यक्ष के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
18. खण्ड 18 में कुलसचिव के लिए उपबन्ध किये जाने प्रस्तावित है।
19. खण्ड 19 में वित्त अधिकारी के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
20. खण्ड 20 में अन्य अधिकारी गणों के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
21. खण्ड 21 में उत्तराखण्ड के स्थानीय निवासियों के लिए उपबन्ध किया जाना प्रस्तावित है।

22. खण्ड 22 में विश्वविद्यालय के प्राधिकारी हेतु उपबन्ध किया जाना प्रस्तावित है।
23. खण्ड 23 में व्यवस्थापक मण्डल एवं उसकी शक्तियों के लिए उपबन्ध किये जाने प्रस्तावित है।
24. खण्ड 24 में प्रबन्ध मण्डल के सम्बन्ध में अधिवेशन उपबन्ध किये जाने प्रस्तावित है।
25. खण्ड 25 में विद्या परिषद् के लिए उपबन्ध किये जाने प्रस्तावित है।
26. खण्ड 26 में वित्त समिति के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
27. खण्ड 27 में अन्य प्राधिकारण हेतु उपबन्ध किया जाना प्रस्तावित है।
28. खण्ड 28 में रिक्ति के सम्बन्ध में कार्यवाही के अविधिमान्य न होने के उपबन्ध किये जाने प्रस्तावित है।
29. खण्ड 29 में परिनियम के लिए उपबन्ध किया जाना प्रस्तावित है।
30. खण्ड 30 में परिनियम कैसे बनाए जायेंगे, के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
31. खण्ड 31 में परिनियम को संशोधन करने की शक्ति के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
32. खण्ड 32 में नियम बनाने की शक्ति हेतु उपबन्ध किया जाना प्रस्तावित है।
33. खण्ड 33 में नियमावली कैसे बनायी जायेगी, के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
34. खण्ड 34 में नियमावली को संशोधित करने की शक्ति हेतु उपबन्ध किया जाना प्रस्तावित है।
35. खण्ड 35 में कर्मचारियों की सेवा शर्तों के लिए उपबन्ध किया जाना प्रस्तावित है।
36. खण्ड 36 में अपील करने के अधिकार के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
37. खण्ड 37 में भविष्य निधियाँ व पेन्शन सम्बन्धी उपबन्ध किये जाने प्रस्तावित है।
38. खण्ड 38 में विश्वविद्यालय प्राधिकरण व निकायों के गठन के विवाद हेतु उपबन्ध प्रस्तावित है।
39. खण्ड 39 में समितियों के गठन हेतु उपबन्ध किये जाने प्रस्तावित है।
40. खण्ड 40 में आकस्मिक रिक्तियों की पूर्ति के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
41. खण्ड 41 में सद्भावनापूर्ण से की गई कार्यवाही के लिए संरक्षण हेतु उपबन्ध किया जाना प्रस्तावित है।
42. खण्ड 42 में संक्रमणकालीन उपबन्ध विषयक उपबन्ध किया जाना प्रस्तावित है।
43. खण्ड 43 में स्थायी विन्यास निधि हेतु उपबन्ध किया जाना प्रस्तावित है।
44. खण्ड 44 में सामान्य निधि के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
45. खण्ड 45 में विकास निधि के लिए उपबन्ध किये जाने प्रस्तावित है।
46. खण्ड 46 में निधि का अनुरक्षण के सम्बन्ध में उपबन्ध किये जाने प्रस्तावित है।
47. खण्ड 47 में वार्षिक प्रतिवेदन हेतु उपबन्ध किया जाना प्रस्तावित है।
48. खण्ड 48 में लेखा व लेखा परीक्षा के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
49. खण्ड 49 में विश्वविद्यालय के अभिलेख को सिद्ध करने हेतु उपबन्ध किया जाना प्रस्तावित है।
50. खण्ड 50 में विश्वविद्यालय के विघटन के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।
51. खण्ड 51 में विश्वविद्यालय के विघटन के समय विश्वविद्यालय के व्यय हेतु उपबन्ध किया जाना प्रस्तावित है।
52. खण्ड 52 में कठिनाइयों के निवारण के सम्बन्ध में उपबन्ध किया जाना प्रस्तावित है।

(डा० इंदिरा हृदयेश)

मंत्री

विधायी शक्तियों का प्रत्यायोजित ज्ञापन

उत्तराखण्ड राज्य में प्रस्तावित विधेयक मदरहुड विश्वविद्यालय विधेयक, 2014 को अधिनियमित किये जाने का निर्णय लिया गया है।

- 2— प्रस्तावित विधेयक के निम्न खण्डों द्वारा विधायी शक्तियों का प्रत्यायोजन किया जाना प्रस्तावित है।
- (क) खण्ड 3 में “इंस्टीट्यूट ऑफ मैनेजमेंट एण्ड टेक्नोलोजी सोसाइटी, रुडकीको विश्वविद्यालय की स्थापना के लिए शक्ति प्रत्यायोजित की जानी प्रस्तावित है।
- (ख) खण्ड 9 में विश्वविद्यालय को कतिपय शक्तियाँ प्रत्यायोजित की जानी प्रस्तावित है। (ग) खण्ड 13 में व्यवस्थापक मण्डल को कुलाधिपति तथा खण्ड 14 में प्रति-कुलाधिपति नियुक्त करने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है।
- (घ) खण्ड 15 में कुलाधिपति को कुलपति नियुक्त करने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है। (ङ) खण्ड 16 में कुलाधिपति को प्रति-कुलपति नियुक्त करने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है।
- (च) खण्ड 17 में कुलपति को कुलसचिव तथा खण्ड 18 में संकायाध्यक्ष नियुक्त करने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है।
- (छ) खण्ड 30 में व्यवस्थापक मण्डल को परिनियम बनाए जाने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है।
- (ज) खण्ड 32 में नियम बनाने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है। (झ) खण्ड 36 में अपील करने के अधिकार के लिए शक्ति प्रत्यायोजित की जानी प्रस्तावित है। (ञ) खण्ड 51 में कठिनाइयों के निराकरण करने की शक्ति प्रत्यायोजित की जानी प्रस्तावित है।
- 3— प्रस्तावित विधेयक द्वारा किया जा रहा प्रतिनिधायन विधायी शक्तियों का सामान्य प्रत्यायोजन है।
- 4— प्रस्तावित विधेयक द्वारा किसी प्रकार की विधायी शक्तियों का प्रत्यायोजन किया जाना प्रस्तावित नहीं किया जा रहा है।

(डा० इंदिरा
हृदयेश)
मंत्री

वित्तीय ज्ञापन

उत्तराखण्ड राज्य में प्रस्तावित विधेयक मदरहुड विश्वविद्यालय विधेयक, 2014 को अधिनियमित किये जाने

का निर्णय लिया गया है।

2. प्रस्तावित विधेयक में किसी प्रकार का वित्तीय व्यवहार अन्तर्ग्रस्त नहीं है।
3. प्रस्तावित विधेयक में अनावर्ती प्रकृति का भी कोई व्यय अन्तर्ग्रस्त नहीं है।

(डा० इंदिरा हृदयेश)
मंत्री

उद्देश्य और कारणों का ज्ञापन

उत्तराखण्ड राज्य में देहरादून तथा उसके आस-पास के क्षेत्रों को “एजुकेशन हब” के रूप में विकसित

करने के लिए राज्य सरकार ने विभिन्न शैक्षणिक संस्थाओं को स्थापित करने का निर्णय लिया है।

2— इस विश्वविद्यालय से उपर्युक्त शिक्षा के क्षेत्र में अभूतपूर्व प्रगति के मार्ग खुल सकेंगे, जिसका प्रत्यक्ष

एवं अप्रत्यक्ष रूप से उत्तराखण्ड राज्य के युवाओं के साथ-साथ आम जन-मानस को लाभ प्राप्त होगा।

3— विधेयक उपरोक्त उद्देश्य की पूर्ति के लिए है।

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1- Lakf{klr uke ,oa izkjEHk

2- if $H_k \neq \emptyset$, then

v/;k; & nks

fo'ofoky; ds mn~ns';

3- fo'ofoky; dh LFkkiuk ds fy, izLrko

4- fo'ofokky; dh LFkkiuk

5- fo'ofoky; dk foRrh; lgk;rk vkfn ds fy,

gdnkj u gksuk

6- fdlh laLFkk dks lEca) djus dh

'kfDr u gksuk

7- fo'ofoky; ds mn~ns';

8- fo'ofoky; dh 'kfDr;ka

9- fo'ofoky; esa lHkh oxZ tkfr ,oa fyax dh

igqap gksxh

10- jk"V^ah; izR;k;u

v/;k; & rhu

fo'ofoky; ds vf/kdkjh

11- fo'ofoky; ds vf/kdkjh

12- dgyk/;{k 1/4foftVj1/2

13- dgykf/kifr

14- izfr&dqykf/kifr

15- dqyifr

16- izfr&dqyifr

17- dgy lfpo

18- $\text{ladk;k/;\{k}$

19- foRr vf/kdkjh

20- vU; vf/kdkjh x.k

v/;k;&pkj

fo'ofokya; ds izkf/kdkjh

21- fo'ofoky; ds izkf/kdkjh

22- 0;oLFkkid e.My o mldh 'kfDr;ka

23- izcU/k e.My

24- fo|k ifj"kn

25- foRr lfefr

26- vU; izkf/kdj.k

27- fJfDr ds dkj.k dk;Zokgh dk vfof/kekU; u
gksuk

v/;k;&iakap
ifjfu;e vkSj fu;e

28- ifjfu;e

29- ifjfu;e dSls cuk;s tk;saxs

30- ifjfu;e la'kks/ku djus dh 'kfDr

31- fu;e

32- fu;e dSls cuk;s tk;saxs

33- fu;eksa dks la'kksf/kr djus dh 'kfDr

v/;k;&N

izdh.kZ

34- mRrjk[k.M ds LFkk;h fuokfl;ksa ds fy, micU/k

35- deZpkfj;ksa dh lsok 'krsZ

36- vihy dk vk/kkj

37- Hkfo"; fuf/k ,oa isa'ku

38- fo'ofokj; izkf/kdj.k vkSj fudk;ksa ds xBu ds ckjs esa fookn

39- lfeFr;ksa dk xBu

40- vkdfLed fJfDr;ksa dh iwfrZ

41- lnHkkoukiwoZd dh xbZ dk;Zokgh ds fy, laj{k.k

42- laØe.kdkyhu micU/k

43- LFkk;h foU;kl fuf/k

44- lkekU; fuf/k

45- fodkl fuf/k

46- fuf/k dk vuqj{k.k

47- okf"kZd izfrosnu

48- ys[kk o ys[kk ijh{k.k

49- fo'ofokj; ds vfHkys[k dks fl) djus dh jhfr

50- fo'ofokj; dk fo?kVu

51- fo'ofokj; ds fo?kVu ds le; fo'ofokj; ds 0;;

52- dfBukbZ;ksa dk fujkdj.k

enjjqM fo'ofokj;

fo/ks;d] 2014

ømRrjk[k.M fo/ks;d la0

o"kZ 2014À

rduhdh f'k{k.k] mPp f'k{k.k] fpfdRlk ,oa nUr fpfdRlk f'k{k.k] fof/k f'k{k.k]
mM~M;u f'k{k.k] lkekftd foKku] lkekU;

foKku ,oa vU; {ks=ksa dh f'k{k.k] izf'k{k.k ,oa 'kks/k dk;Z ls lEcU/kr f'k{k.k]
iznku djus ds mn~ns'; ls] lkslkbVh jftLV^as'ku

vf/kfu;e] 1860 ds v/khu iathd`r ßenjgqM baLVhV~;wV vkWQ eSustesaV „M
VsDuksykth lkslkbZVh] :Mdh }kjk izk;ksftr enjgqM

fo'ofokky;] :Mdh uked futh fo'ofokky; dh LFkkiuk ,oa mlds fuxeu ds fy,

विधेयक

Hkkjr x.kjT; ds iSlBosa o"kZ esa mRrjk[k.M fo/kku lHkk }kjk fuEUfyf[kr
vf/kfu;e cuk;k tkrk gS%&

v/;k

; &

,d

izkf

EHk

d

laf{kIr uke ,oa 1- ¼1½ bl vf/kfu;e dk laf{kIr uke enjgqM fo'ofokky;

vf/kfu;e] 2014 gSA

izkjEHk ¼2½ ;g jkT; ljdkj }kjk] vf/klwpuk tkjh fd;s tkus dh rkjh[k ls
izo`Rr gqv le>k tk;sxA

ifjHkk"kk,a 2- tc rd fd lUnHkZ esa vU;Fkk dksbZ visf{kr u gks] bl
vf/kfu;e esa %&

¼d½ ^fo|k if"kn~^ ls fo'ofokky; ds fo|k if"kn~ vfHkizsr gS(

¼[k½ ^izkf/kdkjh^ ls fo'ofokky; ds izkf/kdkfj;ksa vfHkizsr gS(

¼x½ ^O;oLFkkid e.My^ ls fo'ofokky; ds O;oLFkkid e.My

vfHkizsr gS(

¼?k½ ^izca/k e.My^ ls fo'ofokky; ds izca/k e.My vfHkizsr gS(

¼M½ ^ikB~;Øe e.My^ ls fo'ofokky; ds ikB~;Øe e.My vfHkizsr

gS(

¼Pk½ ^ijh{kk e.My^ ls fo'ofokky; dh ijh{kk e.My vfHkizsr gS(

¼N½ ^dqykf/kifr^] *izfrdqykf/kifr* ^dqyifr^] ^izfrdqyifr^]

^dqy lfpo^] ^ijh{kk fu;a=d^ ,oa ^foRr vf/kdkjh^ ls Øekuqlkj

fo'ofokky; ds ^dqykf/kifr^] *izfrdqykf/kifr* ^dqyifr^] ^izfrdqyifr^]

^dqy lfpo^] ^ijh{kk fu;a=d^ ,oa ^foRr vf/kdkjh^ vfHkizsr gS(

¼t½ ^iflj^ ls fo'ofokky; ds iflj vfHkizsr gS(

¼>½ ^la?kVd egkfo|ky;^ ls fo'ofokky; }kjk vuqjf{kr rFkk

izcfU/kr dksbZ egkfo|ky; ;k laLFkk vfHkizsr gS(

¼'½ ^dSfj;j ,dsMeh lS.Vj^ ls ,sls dsUnz vfHkizsr gS] tks

fo'ofokky; }kjk LFkkfir] ekU; ,oa vuqjf{kr gks] ftldk mi;ksx

nwjn`; izlkj.k izklr djus] bZ&esy] b.VjusV] ikjLifjd laokn]

izf'k{k.k] O;k[ku] xks"Bh ,oa dk;Z'kkyk vk;ksftr djus]

fo|kfFkZ;ksa ds fy, lykg] ijke'kZ ,oa vU; lgk;rk ds mn~ns'; ls fd;k

x;k gks(

$\frac{1}{4}V\frac{1}{2}$ iflj ds ^funs'kd^ ;k la?kVd egkfo|ky; ds lEcU/k esa izkpk;Z@Mhu ls ml iflj ;k la?kVd egkfo|ky; dk iz/kku vfHkizsr gS vkSj tgka izkpk;Z@Mhu ugha gS] mi izkpk;Z ;k rRle; izkpk;Z@Mhu ds #i esa dk;Z djus ds fy, fu;qDr dksbZ vU; O;fDr Hkh lfEefyr gS(

$\frac{1}{4}B\frac{1}{2}$ ^nwjLFk f'k{kk i)fr^ ls jkT; ds Hkhrj f'k{kk dh og i)fr vfHkizsr gS] ftlesa f'k{k.k ds fy, ,sls lwpuk izkS]ksfxdh vkSj lapkj ek/;eksa tSls eYVhehfM;k] izlkj.k] nwj n`; izlkj.k $\frac{1}{4}$ VsyhdkfLVax $\frac{1}{2}$] b.VjuSV ij vkWuykbZu] nwjlapkj dh vU; ikjLifjd fof/k;ka] bZ&esy] b.VjuSV] dE;wVj] ikjLifjd laokn] bZ&yfuZx] i=kpkj ikB~;Øe] xks"Bh] lEidZ dk;ZØe ;k ,sls fdlh nks ;k vf/kd ek/;eksa dk la;qDr #i ls mi;ksx fd;k x;k gks(

$\frac{1}{4}M\frac{1}{2}$ ^tek jkf'k^ ls fo'ofok|ky; }kjk Nk=ksa ls fy;s x, ,Slh jkf'k vfHkizsr gS] tks fd okilh ;ksX; gS(

$\frac{1}{4}<\frac{1}{2}$ ^Lkadk;k/;{k^ ls fo'ofok|ky; ds ladk;k/;{k vfHkizsr gS($\frac{1}{4}.k\frac{1}{2}$ *foHkkx* ls fo'ofok|ky; ds foHkkx $\frac{1}{4}$ 'kSf{k d bdkbZ $\frac{1}{2}$ vfHkizsr gS ftlesa ,d ;k ,d ls vf/kd fo"k;ksa esa v/;;u o 'kks/k dk;Z fd;k tk jgk gks(

$\frac{1}{4}r\frac{1}{2}$ ^deZpkjh^ ls fo'ofok|ky; }kjk fu;qDr fdlh deZpkjh vfHkizsr gS vkSj bls vUrxZr fo'ofok|ky;] ;k fdlh la?kVd egkfo|ky; ds v/;kid vkSj vU; deZpkjh Hkh lfEefyr gS(

$\frac{1}{4}Fk\frac{1}{2}$ ^foRr lfefr^ ls fo'ofok|ky; dh foRr lfefr vfHkizsr gS($\frac{1}{4}n\frac{1}{2}$ ^ladk;^ ls fo'ofok|ky; dh ladk; vfHkizsr gS(

$\frac{1}{4}/k\frac{1}{2}$ ^'kqYd^ ls fo'ofok|ky; }kjk Nk=ksa ls fy;s x, ,slh jkf'k vfHkizsr gS tksfd 'kqYd ds rgr vkrh gS ,oa okilh ;ksX; ugha gS(

$\frac{1}{4}u\frac{1}{2}$ ^ljdkj^ ls mRrjk[k.M ljdkj vfHkizsr gS(

$\frac{1}{4}i\frac{1}{2}$ ^gky^ vFkok ^Nk=kokl^ ls fo'ofok|ky; vFkok la?kVd egkfo|ky; }kjk vuqjf{kr rFkk ekU; Nk=ksa ds vkokl dh bdkbZ vfHkizsr gS(

$\frac{1}{4}Q\frac{1}{2}$ ^enjgqM baLVhV~;wV vkWQ eSustesaV ,.M VsDuksykth lkslkbVh+^ ls lkslkbVh jftLV^ahdj.k vf/kfu;e] 1860 ds v/khu jftLV^ahd`r lkslkbZVh vfHkizsr gS] ftldk jftLV<sup>a</sup>hd`r dk;kZy; xzke djksnha] iksLV Hkxokuqij] :Mdh esa vofLFkr gS(

$\frac{1}{4}c\frac{1}{2}$ ^izk;ksftr laLFkk* $\frac{1}{4}$ izeksfVax lkslkbVh $\frac{1}{2}$ ls lkslkbVh
jftLV^ahdj.k vf/kfu;e] 1860 ds rgr jftLV^ahd'r lkslkbVh]
enjgqM baLVhV~;wV vkWQ eSustesaV „M VsDuksykth
lkslkbVh p] vfHkizsr gS(

$\frac{1}{4}$ Hk $\frac{1}{2}$ ^fofgr^ ls ^ifjfu;eksa }kjk fofgr* vfHkizsr gS(

$\frac{1}{4}e\frac{1}{2}$ ^LFkk;h fuoklh^ ls jkT; ds ,sls fuoklh vfHkizsr gS ftlds
ikl jkT; ljdkj }kjk le;≤ ij cuk;s x;s fu;eksa ds vuqlkj
mÙkjk[k.M jkT; esa ewy fuokl@LFkk;h fuokl dk oS/k
izek.k i= gks(

$\frac{1}{4};\frac{1}{2}$ ^{ks=h; dsUnz^ ls ,sls dsUnz vfHkizsr gS] ftldh LFkkiuk
;k vuqj{k.k fo'ofokky; }kjk fdLh {ks= esa fLFkr v/;;u
dsUnzksa ds leUo;] Ik;Zos{k.k rFkk ,sls dsUnz esa vU;
iznRr dk;ksZ ds fu"iknu ds mn~ns'; ls izcU/k e.My }kjk
fd;k x;k gks(

$\frac{1}{4}j\frac{1}{2}$ ^jkT;^ ls mRrjk[k.M jkT; vfHkizsr gS(

$\frac{1}{4}y\frac{1}{2}$ ^ifjfu;e^] ^fu;e^ vkSj v/;kns'k^ ls fo'ofokky; ds
^ifjfu;e^] ^fu;e^ vkSj ^v/;kns'k* vfHkizsr gS(

$\frac{1}{4}o\frac{1}{2}$ ^v/;;u dsUnz^ ls fo'ofokky; }kjk ekU;rk izklr ,sls dsUnz
vfHkizsr gSs] ftldh LFkkiuk ,oa vuqj{k.k fo|kfFkZ;ksa
dks lykg] ijke'kZ ;k vU; lgk;rk iznku djus ds mn~ns'; ls fd;k
x;k gks(

$\frac{1}{4}'k\frac{1}{2}$ ^v/;kid^ ls vkpk;Z] lg vkpk;Z] lgk;d vkpk;Z@O;k[;krk
,oa ,sls vU; O;fDr vfHkizsr gS] ftlls fo'ofokky; ;k bls fdLh iflj
;k fdLh la?kVd egkfo|ky; esa f'k{k iznku djus] ;k 'kks/k
dk;Z ds lapkyu ds fy, fo'ofokky; vuqnu vk;ksx ds ekun.Mksa
ds vuq#i fu;qDr fd;k tk;s vkSj bls vUrxZr fdLh iflj
dk funs'kd ;k la?kVd egkfo|ky; dk izkpk;Z@Mhu Hkh vkrk
gS(

$\frac{1}{4}''k\frac{1}{2}$ ^;w0th0lh0* ls fo'ofokky; vuqnu vk;ksx vf/kfu;e]
1956 ds v/khu LFkkfir fo'ofokky; vuqnu vk;ksx vfHkizsr
gS(

$\frac{1}{4}l\frac{1}{2}$ ^fo'ofokky;^ ls bl vf/kfu;e ds v/khu izLrkfor enjgqM
fo'ofokky; vfHkizsr gS(

$\frac{1}{4}g\frac{1}{2}$ *fudk;* ls fo'ofokky; dk fudk; vfHkizsr gS(

$\frac{1}{4}\{k\frac{1}{2}$ ^dqyk/;{k^ $\frac{1}{4}$ foftVj $\frac{1}{2}$ ls fo'ofokky; ds dqyk/;{k
vfHkizsr gSA

v/;k; & nks

fo'ofokky; ds mn~ns';

fo'ofokky; dh 3- $\frac{1}{4}1\frac{1}{2}$ izk;ksftr laLFkk vFkkZr enjgqM baLVhV~;wV vkWQ
eSustesaV „M VsDuskyksth lkslkbVh] :Mdh dks

LFkkiuk ds fy, bl vf/kfu;e ds micU/kksa ds vuqlkj enjgqM fo'ofokj;*
 LFkkfir djus dk vf/kdkj gksxkA $\frac{1}{4}2\frac{1}{2}$ izk;ksftr laLFkk }kjk jkT; ljdkj dks
 fo'ofokj; LFkkiuk lEcU/kh izLrko lfgr ,d vkosnu izLrko
 i= izLrqr fd;k x;k gS] ftlesa fuEu fooj.k izLrqr fd;s x;s%&
 $\frac{1}{4}d\frac{1}{2}$ izk;ksftr laLFkk ds iw.kZ fooj.k lfgr fo'ofokj; ds
 mn~ns';(
 $\frac{1}{4}[k\frac{1}{2}$ fo'ofokj; dh izkfLFkfr] foLrkj vkSj Hkwfe dh
 miyC/krk(
 $\frac{1}{4}x\frac{1}{2}$ vkxkeh ikap o"kksZa esa fo'ofokj; }kjk pyk;s tkus
 okys 'kS{kf.kd ,oa vuqla/kku dk;ZØeksa dh izd'fr rFkk izdkj(
 $\frac{1}{4}?k\frac{1}{2}$ ladk;ksa dh izd'fr] vkjEHk fd;s tkus okys ikB~;Øe
 rFkk 'kks/k dk;Z(
 $\frac{1}{4}M-\frac{1}{2}$ fo'ofokj; ifjlj dk fodkl tSlS Hkou] miLdj rFkk
 lajpukRed lq[k lqfo/kk,a($\frac{1}{4}p\frac{1}{2}$ vkxkeh iakp o"kksZ ds fy, iwathxr O;;
 dk pj.kc) ifjO;;(
 $\frac{1}{4}N\frac{1}{2}$ enokj vkorhZ O;;] foRrh; lzksr ,oa izR;sd Nk= ds fy,
 vuqekfur O;;(
 $\frac{1}{4}t\frac{1}{2}$ lalk/ku tqVkus dh ;kstuk rFkk mldh iwathxr ykxr
 vkSj mUgSa pqdkus ds rjhds($\frac{1}{4}>\frac{1}{2}$ vkUrfjd lalk/kuksa&fo|kfFkZ;ksa ls
 fy;s tkus okys 'kqYd] ijke'kZ ,oa fo'ofokj; ds mn~ns';ksa ls
 lEcU/kr vU; xfrfof/k;ksa ls izR;kf'kr jktLo ,oa vU; izR;kf'kr vk; }kjk
 vkUrfjd fuf/k;ksa ds l'tu dh ;kstuk(
 $\frac{1}{4}\forall\frac{1}{2}$ laLFkk dh ykxr ij vkus okys O;;] jkT; ds ewy fuoklh
 Nk=ksa ds fy, f'k{k.k 'kqYdksa esa nh tkus okyh
 fj;k;rksa ;k NwV dh lhek] fu%'kqYdrk vkSj
 Nk=o`fRr;ka rFkk vizoklh Hkkjrh;ksa ,oa fons'kksa ls
 vkus okys fo|kfFkZ;ksa ls fofHkUu njksa ij] ;fn dksbZ
 gks] fy;s tkus okys 'kqYdksa ds Lo#i dk C;ksjk(
 $\frac{1}{4}V\frac{1}{2}$ izk;ksftr laLFkk esa miyC/k lEcU/kr fo'k;ksa esa
 fo'ks"Krk ,oa vuqHko dh vof/k rFkk foRrh; lalk/ku(
 $\frac{1}{4}B\frac{1}{2}$ fo'ofokj; ds ikB~;Øeksa ds fy, Nk=ksa dh p;u i)fr(rFkk
 $\frac{1}{4}M\frac{1}{2}$ fo'ofokj; dh LFkkiuk ls iwoZ ,slh vU; 'krksZ dh]
 ftudh iwfrZ jkT; ljdkj }kjk visf{kr gks] iwfrZ dh
 izkfLFkfrA
 fo'ofokj; dh 4- $\frac{1}{4}1\frac{1}{2}$ jkT; ljdkj vko';d tkap djus ds mijUr larq"V gS fd izk;ksftr
 laLFkk us lHkh 'krsZ vkSj LFkkiuk vko';drkvksa dks iw.kZ dj fy;k x;k gS
 vkSj mls ^enjgqM fo'ofokj;* Kkr uke ls mÙkj[k.M jkT; esa fo'ofokj;
 LFkkfir fd;k tkrk gSA

$\frac{1}{4}2\frac{1}{2}$ fo'ofok|ky;] ^enjqM fo'ofok|ky;* ds uke ls ,d fuxfer fudk;
gksxk vkSj mls 'kk'or mUkjf/kdkj gksxk vkSj mldh ,d
lkekU; eqnzg gksxh rFkk og vius uke ls okn nk;j dj ldsxk
vkSj ml ij okn nk;j fd;k tk ldsxkA

$\frac{1}{4}3\frac{1}{2}$ $\frac{1}{4}d\frac{1}{2}$ fo'ofok|ky; dk eq[; iflj :Mdh] mRrjk[k.M esa
vofLFkr gksxk rFkk mldk vU; iflj vFkok {ks=h; dsUnz]
v/;;u dsUnz dh LFkkiuk vU; LFkkuksa ij fo'ofok|ky;
vuqnku vk;ksx vkSj vU; laoS/kkfud fudk;ksa }kjk
LFkkfir izfØ;kvksa ds vuqlkj fd;k tk;sxkA fo'ofok|ky;
ik;p o"kZ dh vof/k ds ckn jkT; esa] jkT; ljdkj dh
iwokZuqefr ls viuk f}rh; iflj LFkkfir dj ldsxk] ijUrq
ioZrh; {ks=ksa esa 2500 QqV ls Åij f}rh; dSEil [kksyus
dh dksbZ le;&lhek ugha gksxhA

$\frac{1}{4}[k\frac{1}{2}$ fo'ofok|ky; dks vU; foHkx@fo"k; izkjEHk djus ds
fy;s] ;fn vfrfjDr Hkwfe dh vko';drk gks] tSlh fd
laoS/kkfud fudk;ksa ds ekudkuqlkj vko';drk gks]
fo'ofok|ky; ;k rks eq[; iflj ls lVg gqv ;k vyx :Mdh {ks=
tiun gfj}kj esa gh LFkkfir dj ldrk gSA

$\frac{1}{4}4\frac{1}{2}$ fo'ofok|ky; ds dqykf/kifr] izfrdqykf/kifr] dqyifr] izfr
dqyifr] dqy lfpo ,oa O;oLFkkid e.My] izcU/k eaMy ,oa fo|k
ifj"kn ds lnL; bl izdkj LFkkfir fo'ofok|ky; esa rRle; mDr
inksa ij dk;Z djrs gq;s fu;fer fudk; xBr dj ldsaxs vkSj
fo'ofok|ky; ds uke ls okn nk;j dj ldsaxs ,oa mu ij okn py;k
tk ldrk gSA

$\frac{1}{4}5\frac{1}{2}$ mi/kkj $\frac{1}{4}1\frac{1}{2}$ ds v/khu fo'ofok|ky; dh LFkkiuk fd;s tkus
ij fo'ofok|ky; ds iz;kstu ds fy, vf/kx`ghr] fufeZr] O;oLFkr
vFkok l`ftr Hkwfe] py ,oa vpy lEifRr;ka] izk;ksftr laLFkk
dh lEifRr;ksa dks NksM+dj] fo'ofok|ky; dks vUrfjr ,oa
mlesa fufgr gks tk;saxhA

$\frac{1}{4}6\frac{1}{2}$ fo'ofok|ky; ds ikl miyC/k Hkwfe] Hkou] fofHkUu
foHkxksa@ladk;ksa ds lapkfy leLr ikB~;dze gsrq
lEcU/kr loksZPp fu;ked vk;ksx ds ekudksa ds vuqlkj gksuk
vko';d gksxkA

$\frac{1}{4}7\frac{1}{2}$ fo'ofok|ky; ds eq[; iflj] iflj o v/;;u dsUnz vkfn esa
vk/kkjHkwr ,oa vU; lqfo/kk,a ;w0th0lh0 ,oa 'kh"kZ oS/kkfud
fu;ked laLFkkvksa ds ekudksa ds vuq:lk gksxhA

fo'ofok|ky; dk 5- fo'ofok|ky; Lo% foRriksf"kr gksxk vkSj jkT; ljdkj ds
LokfeRok/khu] ;k fu;a=.kk/khu fdlh foRrh; lgk;rk vU; fudk;] ;k fuxe
ls fdlh lgk;rk] vuqnku ;k fdlh vU; foRrh; lgk;rk dh u rks dksbZ vkfn ds fy,

ekax djsxk vkSj u gh mlds fy, gdnkj gksxkA gkykafd fo'ofok|ky; ,sls fdlh Hkh vuqnku dks gdnkj u gksuk

izkIr djus dk gdnkj gksxk] tks fd jkT; ljdkj ;k jkT; ljdkj ds LokfeRo vFkok fu;af=r vU; fudk; ;k fuxfer }kjk lapkfyr fo'ks"k ;kstuk ds vUrxZr bl rjg ds vuqnku dh 'krkZsa ds v/khu fn;k tk jgk gksA bls fo'ofok|ky; ds Lo% foRriksf"kr fLFkfr ij dksbZ izHkko ugha iM+sxkA

fdlh laLFkk dks 6- jkT; ds vUrxZr fo'ofok|ky; ds la?kVd egkfo|ky;] {ks=h; dsUnz] v/;;u dsUnz] ,oa dSfj;j lEc) djus dh ,dsMeh lS.VIZ gks ldrs gS] fdUrq mls fdlh vU; egkfo|ky; ;k laLFkk dks lEc)rk dk 'kfDr u gksuk

fo'ks"kkf/kdkj iznku djus dh 'kfDr ugha gksxhA fo'ofok|ky; vU; vuqla/kku laLFkku o vU; fo'ofok|ky;ksa ds lkFk lkewfgd vuqla/kku dk;Z ,oa f'k{k.k dk;Z dj ldrk gSA

fo'ofok|ky; ds 7- ftu mn~ns';ksa ds fy, fo'ofok|ky; dh LFkkiuk dh x;h gS] os fuEuor~ gaS%&

mn~ns'; $\frac{1}{4}d\frac{1}{2}$ rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,oa nUr fpfdRlk f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd foKku] lkekU; foKku ,oa vU; fo'ks"ksa ,oa vU; 'kk[kkvksa] tSlS dh fo'ofok|ky; mfpr le>s] esa v/;;u] v/;kiu] ifj{k.k ,oa 'kks/k dk;ksZ dks iznku djuk ,oa O;oLFkk djuk(

$\frac{1}{4}[k\frac{1}{2}$ rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,o nUr fpfdRlk f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd foKku] lkekU; foKku ,oa vU; {ks=ksa vkfn esa iflj ,oa la?kVd egkfo|ky;ksa dh LFkkiuk rFkk lfVZfQdsV dkslZ] fMIyksek] Lukrd vkSj LukrdsRrj fMxzh ,oa ih- ,p- Mh- fMxzh] tks fd fo'ofok|ky; vuqnku vk;ksx }kjk ukedj.k fd;k x;k gks dks LFkkfir djuk ,oa iznku djuk] fdUrq fo'ofok|ky; dks vius mn~ns';ksa dks izksRlkgu gsrq ,sls u;s vU; fMIyksek vkSj izek.k i= ikB~;Øe iznku djus dk vf/kdkj gksxk(

$\frac{1}{4}x\frac{1}{2}$ mijksDr $\frac{1}{4}[k\frac{1}{2}$ esa mfYyf[kr ikB~;Øeksas ds fy, nwjLFk f'k{kk iz.kkyh ds ek;/e ls f'k{k.k iznku djus ds fy, vuojr f'k{kk ds v/khu jkT; esa la?kVd dsUnz dh LFkkiuk(

$\frac{1}{4}?k\frac{1}{2}$ ijh{k dsUnzksa dks LFkkfir djuk(

$\frac{1}{4}M-\frac{1}{2}$ fo'ofok|ky; dks fMxzh] fMIyksek] izek.k i= o vU; 'kSf[kd miyfC/k] ijh{kkvksa vFkok vU; iz.kkyh ds vk/kkj ij iznku djuk(

$\frac{1}{4}p\frac{1}{2}$ fo'ofok|ky; vuqnku vk;ksx ,oa lEcU/kr jkT; ljdkj dh lgefr ls vU; jkT;ksa esa iflj dh LFkkiuk djuk(

$\frac{1}{4}N\frac{1}{2}$ fo'ofok|ky; }kjk rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,o nUr fpfdRlk f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd

foKku] lkekU; foKku ,oa vU; {ks=ksa esa vuqla/kku ,oa
uohu ifjorZuksa dks izksRlkfgr djus ds fy, vuqla/kku ,oa
fodkl dsUnz dh LFkkiuk }kjk v/;;u xksf"B;kj] vf/kos'u]
dk;Zf'koj] 'kS{kf.kd dk;ZØe] lkeqnf;d fodkl dk;ZØe]
izdk'ku] izf'k{k.k dk;ZØe ,oa lewg v/;;u] bR;kfn djuk(

$\frac{1}{4}t\frac{1}{2}$ okâ; v/;;u] foLrkj dk;ZØe ,oa okâ; {ks=h; xfrfof/k;ksa
}kjk lekt ds fodkl esa viuk ;ksxnku nsuk(

$\frac{1}{4}>\frac{1}{2}$ fo'ofokj; vuqeku vk;ksx ds izko/kku ,oa fu;eksa ds
vUrxZr vkWQ&'kksj dSEil dh LFkkiuk djukA

$\frac{1}{4}\forall\frac{1}{2}$ tSls fd vko';d gks] ,sls lHkh dk;Z djuk] tks fo'ofokj; ds
leLr ;k fdUgh mn~ns';ksa dh izkfIr ds fy,s vko';d] izklafxd
,oa lgk;d gksA

fo'ofokj; dh 8- $\frac{1}{4}1\frac{1}{2}$ fo'ofokj; dh fuEufyf[kr 'kfDr;ka gksaxh(vFkkZr~ %&
'kfDr;kj $\frac{1}{4}d\frac{1}{2}$ rduhdh f'k{kk] mPp f'k{kk] fpfdRlk ,o nUr fpfdRlk
f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk] lkekftd foKku] lkekU;
foKku ,oa vU; fo"ksa ,oa vU; {ks=ksa esa v/;;u] v/;kiu] ijh{k.k
,oa 'kks/k dk;Z] f'k{k.k O;oLFkk djuk rFkk vuqla/kku ,oa Kku ds vfHko/kZu
vkSj izlkj dk izkfo/kku djuk(

$\frac{1}{4}[k\frac{1}{2}$ fo'ofokj; ds mn~ns';ksa dks iwjk djus ds fy, ,slh
vU; leLr xfrfof/k;ka lEikfnr djuk] tks vko';d vFkok
lk/; gks(

$\frac{1}{4}x\frac{1}{2}$,sls O;fDr;ksa ds fy, ijh{k.k,a vk;ksftr djuk rFkk
mUgSa mikf/k;ka ;k vU; 'kS{kf.kd fof'k"Vrk,sa
lafLFkr vkSj iznku djuk ftUgksaus%&

$\frac{1}{4}1\frac{1}{2}$ fo'ofokj; ;k bls iflj ;k fdlh la?kVd
egkfo|ky; ;k nwjLFk f'k{kk i)fr ds v/khu {ks=h;
dsUnzksa] v/;;u dsUnzksa ;k dSfj;j ,dsMeh lSUVlZ esa
f'k{k.k ikB~;Øe dk v/;;u fd;k gks(vFkok

$\frac{1}{4}2\frac{1}{2}$ fo'ofokj; ;k fdlh la?kVd egkfo|ky; esa] ;k
fdlh nwjLFk f'k{kk i)fr ds v/khu 'kks/k dk;Z fd;k
gks(

$\frac{1}{4}?k\frac{1}{2}$ iffu;eksa@izkfo/kkuksa esa vfHkdfFkr jhfr ls vkSj
'krksZ ds v/khu ekun~ mikf/k;ksa] ;k vU; 'kS{kf.kd
fof'k"Vrk;sa iznku djuk(

$\frac{1}{4}^3\frac{1}{2}$ iffu;eksa ds vuqlkj v/srko`fRr;ka] Nk=o`fRr;ka rFkk iqjLdkj laLFkr ,oa
iznku djuk(

$\frac{1}{4}p\frac{1}{2}$,slh Qhl] tek] fcy] chtd dh ekax djuk vkSj izklr djuk
rFkk izHkkj laxzg djuk tks ;FkkfLFkfr] ifjfu;eksa ;k
fu;eksa }kjk fu;r fd;s tk;sa{

$\frac{1}{4}N\frac{1}{2}$,sls {ks=h; dsUnzksa vkSj v/;;u dsUnzksa dh
LFkkiuk djuk] vuqj{k.k djuk ,oa ekU;rk iznku djuk
tSls le;≤ ij fo'ofokj; ds ifjfu;eksa esa fufnZ"V jhfr
}kjk fu/kkZfjr fd;k tk,({

$\frac{1}{4}t\frac{1}{2}$ fo|kfFkZ;ksa vkSj deZpkfj;ksa ds fy, f'k{kk ds vfRfDr
ikB~;sRrj vU; xfrfof/k;ksa dh O;oLFkk djuk{

$\frac{1}{4}>\frac{1}{2}$ fo'ofokj; vFkok bls iflj ;k la?kVd egkfo|ky;]
{ks=h; dsUnzksa] v/;;u dsUnzksa] vuqla/kku
dsUnzksa rFkk dSfj;j ,dsMeh lS.VlZ esa ladk;]
vf/kdkfj;ksa vkSj deZpkfj;ksa dh fu;qfDr djuk{

$\frac{1}{4}'\frac{1}{2}$ izk;ksftr laLFkk dh iwoZ vuqefr ls fo'ofokj;] bls
iflj ;k fdlh la?kVd egkfo|ky;] {ks=h; dsUnzksa] v/;;u
dsUnzksa] vuqla/kku dsUnzksa vkSj dSfj;j ,sdsMfed
lS.VlZ ds iz;kstukFkZ nku vkSj fdlh izdkj ds migkj
izklr djuk rFkk U;kl vkSj foU;kl dh lEifRr;ksa lfgr fdlh
py] vpy lEifRr dk vf/kxzg.k djuk] /kkj.k djuk] izcU/k
djuk] vuqj{k.k djuk vkSj fuiVkj djuk{

$\frac{1}{4}V\frac{1}{2}$ fo'ofokj;] bls iflj ;k fdlh la?kVd egkfo|ky; ds
Nk=ksa ds fy, gky@Nk=kokl LFkkiuk vkSj mudk
vuqj{k.k djuk vkSj fuokl LFkkuksa dks fuf'pr djuk{

$\frac{1}{4}B\frac{1}{2}$ vkokl dk fu;a=.k djuk] i;Zos{k.k djuk vkSj leLr Js.kh
ds deZpkfj;ksa ,oa Nk=ksa ds e/; vuq'kklu ij fu;a=.k
j[kuk rFkk vkpkj lafgrk lfgr ,sls deZpkfj;ksa dh lsok
'krZ fofufnZ"V djuk{

$\frac{1}{4}M\frac{1}{2}$ 'kS{kf.kd] iz'kklfud ,oa lgk;d deZpkfj;ksa vkSj vU; vko';d inksa dk l'tu
djuk{

$\frac{1}{4}<\frac{1}{2}$ Hkkjr ;k fons'kksa ds laLFkkuksa] laxBuksa]
fo'ofokj;ksa] O;fDr fo'ks"kksa] m|ksxksa ,oa
laLFkkvksa ds lkFk ,slh jhfr ls rFkk ,sls iz;kstuksa ds
fy, lgdk;Z vkSj lg;ksx djuk] ftUgsa fo'ofokj; le;≤ ij
vo/kkfjr djsa{

$\frac{1}{4}.k\frac{1}{2}$ nwjLFk f'k{kk i)fr vkSj ,slh jhfr dh O;oLFkk djuk
ftlls fo'ofokj; ds 'kS{kf.kd dk;ZØeksa ds vuqlkj nwjLFk
f'k{kk dks vk;ksftr fd;k tk lds{

$\frac{1}{4}r\frac{1}{2}$ f'k{kdksa] v/;kidksa] ikB ys[kdksa] ewY;kaddksa
vkSj vU; 'kS{kf.kd deZpkfj;ksa ds fy, iqu'p;kZ
ikB~;Øe] vfHkfoU;kl ikB~;Øe] dk;Z'kkyk,sa]
laxksf"B;ka vkSj vU; dk;ZØe vk;ksftr vkSj lapkfyr
djuk{

$\frac{1}{4}Fk\frac{1}{2}$ fo'ofokky;] blds iflj ;k fdlh la?kVd egkfo|ky;]
{ks=h; dsUnzksa] v/;;u dsUnzksa] vuqla/kku
dsUnzksa vkSj dSfj;j ,dsMfed lS.VlZ esa fof'k"V
lfefr;ksa ds ek;/e ls ,oa fo|k ifj"kn ds vuqeksnu ls
izos'k ds fy, ekud vo/kkfjr djuk{

$\frac{1}{4}n\frac{1}{2}$ fo'ofokky;] blds iflj ;k fdlh la?kVd egkfo|ky;] {ks=h;
dsUnzksa] v/;;u dsUnzksa] vuqla/kku dsUnzksa vkSj
dSfj;j ,dsMfed lS.VlZ esa fdlh ikB~;Øe esa izos'k ds fy,
mRrjk[k.M jkT; ds LFkk;h fuoklh ds fy, ;ksX;rk ds
vk/kkj ij fo'ks"k O;oLFkk djuk{

$\frac{1}{4}/k\frac{1}{2}$ fo'ofokky; }kjk rdudh f'k{kk] mPp f'k{kk] fpfdRlk
,oa nUr fpfdRlk f'k{kk] fof/k f'k{kk] mM~M;u f'k{kk]
lkekftd foKku] lkekU; foKku ,oa vU; fo"ksa esa
Lukrd] LukrdsYkj] MkWDVj vkWQ fQyklQh]
MkWDVj vkWQ lkbUl dh mikf/k;ksa ,oa 'kks/k dk;Z
ds fy, ,sls ikB~;Øe fu/kkZfjr djuk tks fo'ofokky;
vuqnku vk;ksx o vU; oS/kkfud ifj"knksa ds vUrxZr
vkrs gS] fdUrq vius fo"ksa esa fMIyksek izek.k&i=
vkfn fn;s tkus ds lEcU/k esa viuk ikB~;Øe vkjEHk
djus dk fo'ofokky; dks vf/kdkj izklr gksxk{

$\frac{1}{4}u\frac{1}{2}$ fo'ofokky; dh 'kS{kf.kd xfrfof/k;ka] izk;ksftr laLFkk
dh xfrfof/k;ksa ls Li"Vr;k foyx gksxh{

$\frac{1}{4}i\frac{1}{2}$ fQYe dSlsV] Vsi] ohfM;ks dSlsV] lh-Mh-] Mh-oh-
Mh- vkSj vU; lk¶Vos;j bR;kfn lfgr 'kSf{kdk lkexzh
rS;kj djus dh O;oLFkk djuk{

$\frac{1}{4}Q\frac{1}{2}$ vU; fo'ofokky;ksa laLFkkvksa ,oa mPp f'k{kk
dsUnzksa dh ijh{kkvksa vFkok v/;;u dh vof/k
 $\frac{1}{4}iw.kZ$ vFkok vkaf'kd $\frac{1}{2}$ dks fo'ofokky; dh ijh{kkvksa
vFkok v/;;u dh vof/k ds lerqY; ekU;rk iznku djuk
vkSj mudks nh x;h ekU;rk dks fdlh Hkh le; lekIr
djuk{

$\frac{1}{4}c\frac{1}{2}$ O;oLFkkid e.My ds vuqeksnu ls fo'ofokky; dh lEifr
dh izfrHkwfr ij ;k mlds

fcuk fo'ofokky; ds fy, /ku tqVkuk] laxzg djuk] Lohdkj djuk vkSj _k izklr djuk{

$\frac{1}{4}$ Hk $\frac{1}{2}$ lafonk djuk] mldk fu"iknu djuk] mlesa ifjorZu djuk ;k mls lekIRk
djuk{

$\frac{1}{4}$ e $\frac{1}{2}$ fo'ofok|ky; ds mn~ns';ksa dks vxzlj djus ds fy, ;Fkk vko';d o laHko ,sls
lHkh vU;

dk;Z djuk] pkgs os mi;qZDr 'kfDr;ksa ds vkuq"kafoxd gksa ;k u
gksa{

$\frac{1}{4}$; $\frac{1}{2}$,d dkuwuh bdkbZ ds :lk esa vius izkf/kd`r vf/kdkjh ds ek/;e ls fdlh Hkh
U;k;ky;]

vf/kdj.k ;k izkf/kdj.k esa vius uke ls okn ykuk vkSj okn nk;j djukA

$\frac{1}{4}$ 2 $\frac{1}{2}$ rRle; izo`Rr fdlh vU; fof/k esa fdlh ckr ds gksrs gq;s

Hkh vkSj mi/kkj $\frac{1}{4}$ 1 $\frac{1}{2}$ ds micU/kksa ij

izfrdwy izHkko Mkys fcuk fo'ofok|ky; vkSj nwjLFk f'k{kk iz.kkfy;ksa dks
izksRlkfgr djus rFkk ,slh

iz.kkfy;ksa ds f'k{k.k] ewY;kadu vkSj 'kks/k ekud fu/kkZfjr djus ds fy, os lHkh
mik; djuk

fo'ofok|ky; dk drZO; gksxk] tks og mfpr le>s vkSj bl dk;Z ds fu"iknu gsrq

fo'ofok|ky;ksa] egkfo|ky;ksa] {ks=h; dsUnzksa] v/;;u dsUnzksa] vuqla/kku
dsUnzksa vkSj dSfj;j ,dsMfed

lS.VlZ dks pkgs mUgsa fo'ks"kkf/kdkj Lohd`r gq, gksa vFkok ugha vFkok fdlh
vU; fo'ofok|ky; ;k

mPp f'k{kk laLFkku dks vuqnkuksa ds vkoaVu ,oa laforj.k dh 'kfDr lfgr ,slh
'kfDr;ka izkIr

gksaxh] tks ifjfu;eksa }kjk fofufnZ"V dh
tk;saA

fo'ofok|ky; esa 9- fo'ofok|ky; lHkh O;fDr;ksa ds fy, pkgs os fdlh oxZ] tkfr ;k
fyax ds gksa] ds izos'k ds fy,

lHkh oxZ] tkfr [kqyk jgsxk (

,oa fyax dh igqap ijUrq ;g fd bl /kkjk dh fdlh ckr ls ;g ugha le>k tk;sxk

fd fo'ofok|ky; }kjk

gksxh mRrjk[k.M ds fo|kfFkZ;ksa ds izos'k ds fy, fo'ks"k

izkfo/kku djus dk izfrU/k gS (

ijUrq ;g vkSj fd bl /kkjk ds fdlh ckr ds gksrs gq;s Hkh ;g ugha le>k tk;sxk fd

fo'ofok|ky; ;k fdlh la?kVd egkfo|ky;] {ks=h; dsUnzksa] v/;;u dsUnzksa]

vuqla/kku dsUnzksa vkSj

dSfj;j ,dsMfed lS.VlZ }kjk fdlh Hkh ikB~;Øe esa ifjfu;eksa }kjk vo/kkfjr la[;k ls

vf/kd

Nk=ksa dks izos'k nsuk visf{kr gSA

jk"Vh; izR;k;u 10- fo'ofok; fofHkUu jk"V^ah; izR;k;u laLFkkvksa ls ekU;rk
izkIr djsxkA

v;/k; &rhu

fo'ofok; ds vf/kdkjh

fo'ofok; ds 11- fo'ofok; ds fuEufyf[kr vf/kdkjh gksaxs%&

vf/kdkjh $\frac{1}{4}d\frac{1}{2}$ dgyk/;{k $\frac{1}{4}foftVj\frac{1}{2}$ (
 $\frac{1}{4}[k\frac{1}{2}$ dgykf/kifr(
 $\frac{1}{4}x\frac{1}{2}$ izfr&dgykf/kifr(
 $\frac{1}{4}?k\frac{1}{2}$ dgyifr(
 $\frac{1}{4}M-\frac{1}{2}$ izfr&dgyifr(
 $\frac{1}{4}p\frac{1}{2}$ dgy lfpo(
 $\frac{1}{4}N\frac{1}{2}$ ladk;k/;{k(
 $\frac{1}{4}t\frac{1}{2}$ foRr vf/kdkjh(vkSj
 $\frac{1}{4}>\frac{1}{2}$,sls vU; vf/kdkjh] ftUgsa ifjfu;eksa }kjk
fo'ofok; ds vf/kdkjh ?kksf"kr fd;k tk,A

dgyk/;{k 12- $\frac{1}{4}1\frac{1}{2}$ mRrjk[k.M ds jkT;iky fo'ofok; ds dgyk/;{k gksaxsA
 $\frac{1}{4}foftVj\frac{1}{2}$ $\frac{1}{4}2\frac{1}{2}$ dgyk/;{k tc mifLFkr gksa] rks mikf/k;ka ,oa fMIyksek
iznku djs ds fy, vk;ksftr fo'ofok; nh{kkUr lejksg dh
v/;{krk djsaxasaA

$\frac{1}{4}3\frac{1}{2}$ dgyk/;{k dh fuEufyf[kr 'kfDr;k; gksaxh(vFkkZr%&
 $\frac{1}{4}d\frac{1}{2}$ fo'ofok; dh dk;Z iz.kkyh ls lEcU/kr fdLH Hkh
vfHkys[k] i= ;k lwpuk dks eaxkuk($\frac{1}{4}[k\frac{1}{2}$ dgyk/;{k dks izkIr
lwpuk ds vk/kkj ij] ;fn og larq"V gks fd dksbZ vkns'k] dk;Zo`Rr] ;k
fu.kZ;] tks fo'ofok; ds fdLH Hkh izkf/kdkjh }kjk fy;k x;k gks]
v/;kns'k] ifjfu;e vFkok fu;e ds vuq#i ugha gS rks og ,sls funsZ'k
tkjh dj ldsaxsa] ftUgsa og fo'ofok; ds fgr esa mfpr
le>sa vkSj bl izdkj tkjh fd;s x;s funsZ'kksa dk lHkh lEcU/krksa }kjk
vuqikyu fd;k tk;sxk(

$\frac{1}{4}Xk\frac{1}{2}$ ekun mikf/k iznku fd;s tkus dk izR;sd izLrko ij
dgyk/;{k dk vuqeksnu fy;k tkuk gksxkA

dgykf/kifr 13- $\frac{1}{4}1\frac{1}{2}$ izk;ksftr laLFkk vius lnL;ksa esa ls ,d lnL; ;k muds }kjk
loZlEefr ls fdLH vU; dks dgykf/kifr fu;qDr fd;k tk ldsxkA
 $\frac{1}{4}2\frac{1}{2}$ dgykf/kifr dks ,slh 'kfDr;ka izkIr gksaxh] tks mls bl
vf/kfu;e ;k bls v/khu cuk;s x;s ifjfu;eksa }kjk iznku dh
tk;saxhaA

izfr&dgykf/kifr 14- $\frac{1}{4}1\frac{1}{2}$ izk;ksftr laLFkk vius lnL;ksa esa ls ,d lnL; ;k muds
}kjk loZlEefr ls fdLH vU; dks izfr&dgykf/kifr fu;qDr fd;k tk ldsxkA
 $\frac{1}{4}2\frac{1}{2}$ izfr&dgykf/kifr dks ,slh 'kfDr;ka izkIr gksaxh] tks mls bl

vf/kfu;e ;k blDs v/khu cuk;s x;s

ifjfu;eksa }kjk iznku dh

tk;saxhaA

dqyifr 15- $\frac{1}{4}1\frac{1}{2}$ O;oLFkkid e.My }kjk mi/kkjk $\frac{1}{4}2\frac{1}{2}$ ds micU/kksa ds vuqlkj

xfBr lfefr }kjk laLrqr rhu

O;fDr;ksa ds iSuy esa ls rhu o"KZ dh

vof/k ds fy, ,sls fucU/kuksa vkSj 'krksZ ij tSlh fd

ifjfu;eksa

}kjk fofgr dh tk;sa] dqyifr dh fu;qfDr dh tk;sxhA

$\frac{1}{4}2\frac{1}{2}$ mi/kkjk $\frac{1}{4}1\frac{1}{2}$ esa fufnZ"V lfefr esa fuEufyf[kr O;fDr

gksaxs[vFkkZr~%&

$\frac{1}{4}d\frac{1}{2}$ dqykf/kifr{

$\frac{1}{4}[k\frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk foHkkx esa izeq[k

lfpo@lfpo{

$\frac{1}{4}x\frac{1}{2}$ O;oLFkkid e.My }kjk ukfer rhu lnL; {

$\frac{1}{4}?k\frac{1}{2}$ izk;ksftr laLFkk }kjk ukfer ,d lnL; tks fd la;kstd ds

#i esa ukfer fd;k tk;sxkA $\frac{1}{4}3\frac{1}{2}$ lfefr ;ksX;rk ds vk/kkj ij dqyifr ds in ds

;ksX; rhu O;fDr;ksa dk iSuy rS;kj djsxh vkSj

izR;sd O;fDr dh

'kSf[kd ;ksX;rkvkksa rFkk vU; fof'k"Vrkvkksa ds laf{kIr fooj.k ds lkFk mls

O;oLFkkid e.My dks vxzlkfjr djsxhA

$\frac{1}{4}4\frac{1}{2}$ dqyifr fo'ofokky; dk izeq[k dk;ZikyD vkSj 'kS{kf.kd vf/kdkjh

gksxk] tks fd fo'ofokky;

ds dk;Zdykiksa ij lkekU; i;Zos{k.k vkSj fu;a=k j[ksxk vkSj
fo'ofokky; ds izkf/kdkfj;ksa ds fofu'p;ksa dks ykxw djsxkA

$\frac{1}{4}5\frac{1}{2}$ tgka v;/kid dh fu;qfDr ls fHkUu dksbZ ,slk vR;ko';d
ekeyk gks] ftlesa rRdky dk;Zokgh djuk visf{kr gks vkSj
mlds lEcU/k esa dk;Zokgh djus ds fy, bl vf/kfu;e }kjk ;k
mlds v/khu fo'ofokky; ds fdLh l'kDr vf/kdkjh ;k izkf/kdkjh
;k vU; fudk; }kjk bl ij rRdky dk;Zokgh u dh tk lds rks
dqykf/kifr ds iwokZuqeksnu ls dqyifr ,slh dk;Zokgh dj
ldsxk] tks og mfpr le>sA

$\frac{1}{4}6\frac{1}{2}$ dqyifr ,slh vU; 'kfDr;ksa dk iz;ksx vkSj ,sls vU; drZO;ksa
dk ikyu djsxk] tks ifjfu;eksa ;k fu;ekoyh }kjk vfHkdfFkr
fd;s tk;saA

$\frac{1}{4}7\frac{1}{2}$ dqykf/kifr dks lE;d tkap ds mijkUr] O;oLFkkid e.My ds
vuqeksnu ds mijkUr] dqyifr dks gVkus dk vf/kdkj izklr
gksxkA dqykf/kifr] tkap ds nkSjku vkjksiksa dh xEHkhjrk
dks n`f"Vxr j[krs gq;s] tSlk og mfpr le>s] dqyifr dks
fuyfEcr dj ldsxkA

izfr&dqyifr 16-

izfr&dqyifr dh fu;qfDr dqykf/kifr }kjk O;oLFkkid e.My ds

iqokZuqeksnu ls ,slh jhfr ls dh

tk ldsxh] tSlh fd ifjfu;eksa esa fofgr

dh tk;sa vkSj izfr&dqyifr ,slh 'kfDr;ksa dk iz;ksx

rFkk ,sls d`R;ksa

dk ikyu djsxk] tks ifjfu;eksa }kjk fofgr fd;s tk;saA

dqy lfpo 17- $\frac{1}{4}1\frac{1}{2}$ dqy lfpo dh fu;qfDr] dqykf/kifr }kjk ,slh jhfr ls ,oa ,sls
fucU/kuksa vkSj 'krksZa ij dh tk;sxh] tSls fd fofgr dh tk;saA

$\frac{1}{4}2\frac{1}{2}$ dqylfpo] fo'ofok; dh vksj ls lHkh lafonk,a djsxk vkSj
mUgsa gLrk{kfjr djsxkA

$\frac{1}{4}3\frac{1}{2}$ dqylfpo dks fo'ofok; dh vksj ls vfHkys[kksa dks
vfHkizekf.kr djus dh 'kfDr gksxh vkSj og ,slh vU; 'kfDr;ksa
dk iz;ksx vkSj ,sls vU; drZO;ksa dk ikyu djsxk] tks
ifjfu;eksa }kjk fofgr fd;s tk;sa] ;k dqykf/kifr ;k dqyifr }kjk
le;≤ ij vkisf{kr gksaA

$\frac{1}{4}4\frac{1}{2}$ dqylfpo] fo'ofok; ds vfHkys[kksa rFkk lkekU; eqnzk
dh lE;d vfHkj{kk ds fy, mRrjnk;h gksxk vkSj og
dqykf/kifr] dqyifr ;k fdlh vU; izkf/kdkjh ds le{k ,slh leLr
lwpuk,sa vkSj nLrkost] tks muds dk;Z lEiknu ds fy, vko';d
gksa] izLrqr djus ds fy, ck/; gksxkA

Lkadk;k/;{k 18- ladh;k/;{kksa dh fu;qfDr dqyifr }kjk dqykf/kifr ds
iqokZuqeksnu ls ,slh jhfr ls dh tk;sxh fd ifjfu;eksa }kjk os ,slh 'kfDr;ksa
dk iz;ksx rFkk ,sls d'R;ksa dk ikyu djsa] tks ifjfu;eksa }kjk fofgr fd;s
tk;saA

foRr vf/kdkjh 19- foRr vf/kdkjh dqykf/kifr }kjk ,slh jhfr ls fu;qDr fd;k tk;sxk
vkSj og ,slh 'kfDr;ksa dk iz;ksx vFkok ,sls drZO;ksa dk ikyu djsxk]
tks fd ifjfu;eksa }kjk fofgr fd;s tk;saA

vU; vf/kdkjh x.k 20- fo'ofok; ds vU; vf/kdkfj;ksa dh fu;qfDr dh jhfr] lsok ds
fu,e o 'krsZ rFkk 'kfDr;ka o drZO; ,sls gksaxs] tks ifjfu;eksa }kjk fofgr fd;s
tk;saA

v/;k; & pkj

fo'ofok; ds izkf/kdkjh

fo'ofok; ds 21- fo'ofok; ds fuEufyf[kr izkf/kdkjh gksaxs(vFkkZr~%&
izkf/kdkjh $\frac{1}{4}d\frac{1}{2}$ O;oLFkkid e.My(

$\frac{1}{4}[k\frac{1}{2}$ izcU/k e.My(

$\frac{1}{4}x\frac{1}{2}$ fo|k ifj"kn(

$\frac{1}{4}?k\frac{1}{2}$ foRr lfefr(vkSj

$\frac{1}{4}M-\frac{1}{2}$,sls vU; izkf/kdkjh] ftUgsa ifjfu;eksa }kjk
fo'ofok; ds ifjfu;eksa esa izkf/kdkjh ?kksf"kr fd;sa

tk;saxsA

O;oLFkkid e.My 22- $\frac{1}{4}1\frac{1}{2}$ O;oLFkkid e.My esa fuEufyf[kr gksaxs%&

o mldh 'kfDr;ka $\frac{1}{4}d\frac{1}{2}$ O;oLFkkid e.My ds v/;{k o lg v/;{k $\frac{1}{4}$;fn gks rks $\frac{1}{2}$
dks izk;ksftr laLFkk ds lnL;ksa esa

ls fdlh lnL; dks ukfer fd;k tk,xkA

$\frac{1}{4}[k\frac{1}{2}$ dqykf/kifr & mik/;{k{

$\frac{1}{4}x\frac{1}{2}$ dqiifr & lnL; lfpo

$\frac{1}{4}?k\frac{1}{2}$ dqyk/;{k }kjk ukfer & nks f'k{kkfon

$\frac{1}{4}M-\frac{1}{2}$ jkT; ljdkj ds mPp f'k{k foHkkx esa izeq[k
lfpo@lfpo{

$\frac{1}{4}p\frac{1}{2}$ izk;ksftr laLFkk }kjk ukfer & ikap lnL;

$\frac{1}{4}N\frac{1}{2}$ izfrf"Br mPp f'k{k.k laLFkkuksa ds
vf/kdkfj;ksa esa

ls izk;ksftr laLFkk }kjk ukfer & nks lnL;

$\frac{1}{4}t\frac{1}{2}$ izeq[k vkS|ksfxd izfr"Bkuksa ds ukfer

vf/kdkfj;ksa esa ls izk;ksftr laLFkk }kjk ukfer&
nks lnL;

$\frac{1}{4}2\frac{1}{2}$ O;oLFkkid e.My] fo'ofokj; dh eq[; iz'kklfud laLFkk
gksxh vkSj mldh fuEufyf[kr

'kfDr;ka gksaxh(vFkkZr~%&

$\frac{1}{4}d\frac{1}{2}$ fo'ofokj; }kjk vuqj.k dh tkus okyh uhfr;ksa dk
fu/kkZj.k{

$\frac{1}{4}[k\frac{1}{2}$ fo'ofokj; ds vU; izkf/kdkfj;ksa ds fofu'p;ksa dk] ;fn os ,sls vf/kfu;e ;k
ifjfu;eksa

;k fu;ekoyh ds micU/kksa ds vuq:i u gks] dk iqufoZyksdu{

$\frac{1}{4}x\frac{1}{2}$ fo'ofokj; ds ctV vkSj okf"kZd izfrosnu dk vuqeksnu{

$\frac{1}{4}?k\frac{1}{2}$ ubZ vFkok vfrfjDr ifjfu;eksa dks cukuk ;k iwoZ esa cus ifjfu;eksa vFkok
fu;ekofy;ksa dk

la'kks/ku ;k fujlu{

$\frac{1}{4}M-\frac{1}{2}$ fo'ofokj; ds LoSfPNd lekiu ds lEcU/k esa fofuf'p; djuk{

$\frac{1}{4}p\frac{1}{2}$ jkT; ljdkj dks izLrqf fd;s tkus okys izLrkoksa dk vuqeksnu
djuk{

$\frac{1}{4}N\frac{1}{2}$,sls fu.kZ; ,oa iz;kl djuk] tks fo'ofokj; ds mn~ns';ksa] ds izHkkoh <ax ls
fu"iknu ds

fy, okaNuh; lkk;s x;s gS{

$\frac{1}{4}t\frac{1}{2}$ fo'ofokj; ds laoS/kkfud ys[kk ijh{kdksa dh fu;qfDr djuk{
vkSj

$\frac{1}{4}>\frac{1}{2}$ fo'ofokj; ds lHkh [kkrrksa dks [kksyuk] cUn djuk] lapkfyr djuk o
izcU/ku djukA

$\frac{1}{4}3\frac{1}{2}$ O;oLFkkid e.My dh o"kZ esa U;wure nks cSBdsa ,sls le;
vkSj LFkku ij gksaxh] tSlk fd

O;oLFkkid e.My ds v/;{k mfpr le>saA

izcU/k e.My 23 $\frac{1}{4}1\frac{1}{2}$ izcU/k e.My esa fuEufyf[kr lnL; gksaxs(vFkkZr %&

$\frac{1}{4}d\frac{1}{2}$ dqyifr & v/;{k(

$\frac{1}{4}[k\frac{1}{2}$ izfr&dqyifr $\frac{1}{4}$;fn gS rks $\frac{1}{2}$

$\frac{1}{4}x\frac{1}{2}$ dqykf/kifr }kjk ukfer ,d vf/kdkjh(

$\frac{1}{4}?k\frac{1}{2}$ izk;ksftr laLFkk }kjk ukfer ikap lnL; (

$\frac{1}{4}^3\frac{1}{2}$ dqykf/kifr }kjk ukfer pfØ; vk/kkj ij ukfer nks
izk/;kid(

$\frac{1}{4}p\frac{1}{2}$ dqykf/kifr }kjk ukfer pfØ; vk/kkj ij nks
ladk;k/;{k(

$\frac{1}{4}N\frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk ds izeq[k lfpo@lfpo(

$\frac{1}{4}t\frac{1}{2}$ dqy lfpo xSj & lnL; lfpo gksxkA

$\frac{1}{4}2\frac{1}{2}$ izcU/k e.My dh 'kfDr;ka ,oa d`R; ,sls gksaxs] tSlk
ifjfu;eksa }kjk fofgr fd;k tk;A

fo|k ifj"kn 24- $\frac{1}{4}1\frac{1}{2}$ fo|k ifj"kn ds fuEufyf[kr lnL; gksaxs(vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ dqyifr & v/;{k(

$\frac{1}{4}[k\frac{1}{2}$ dqy lfpo & lfpo(

$\frac{1}{4}x\frac{1}{2}$,sls vU; lnL;] tSlk ifjfu;eksa esa fofgr fd;k tk;sa

$\frac{1}{4}2\frac{1}{2}$ fo|k ifj"kn] fo'ofokj; dh izeq[k 'kS{kf.kd fudk; gksxh
vkSj bl vf/kfu;e ds v/khu fufeZr

fu;eksa o ifjfu;eksa ds varxZr jgrs gq, fo'ofokj; dh 'kS{kf.kd uhfr;ksa esa leUo;
LFkkfir

djsxh vkSj mudk lkekU; i;Zos{k.k djsxhA

$\frac{1}{4}3\frac{1}{2}$ fo|k ifj"kn dh 'kfDr;k; ,oa d`R; ,sls gksaxs] tSlk ifjfu;eksa
}kjk fofgr fd;s tk;A

foRr lfefr 25- $\frac{1}{4}1\frac{1}{2}$ foRr lfefr esa fuEufyf[kr lnL; gksaxs(vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ dqyifr & v/;{k(

$\frac{1}{4}[k\frac{1}{2}$ foRr vf/kdkjh & lfpo(

$\frac{1}{4}x\frac{1}{2}$ jkT; ljdkj ds mPp f'k{kk ds izeq[k lfpo @lfpo(

$\frac{1}{4}?k\frac{1}{2}$,sls vU; lnL;] tks ifjfu;eksa }kjk fofgr fd;s tk;saA

$\frac{1}{4}2\frac{1}{2}$ foRr lfefr fo'ofokj; dh izeq[k foRr fudk; gksxh] tks
foRrh; ekeyksa dh ns[kHkky djsxh

vkSj bl vf/kfu;e ds v/khu fufeZr fu;eksa] ifjfu;eksa rFkk fu;ekoyh ds v;/k/khu
jgrs gq,

fo'ofokky; ds foRrh; ekeyksa esa lEkUo; LFkktfir djsxh ,oa mldk lkekU;
i;Zos{k.k djsxhA

$\frac{1}{4}3\frac{1}{2}$ foRr lfefr dh 'kfDr;ka ,oa d`R; ogh gksaxs] tks ifjfu;eksa
}kjk fofgr fd;s tk;saxsA

vU; izkf/kdj.k 26- fo'ofokky; ds vU; izkf/kdj.kksa dk xBu] mudh 'kfDr;ksa vkSj
d`R; ,sls gksaxs] tSls fd ifjfu;eksa

}kjk fofgr fd;s tk;saA

fjDr ds dkj.k 27- fo'ofokky; ds fdh izkf/kdj.k dk dksbZ dk;Z ;k dk;Zokgh dsoy
bl dkj.k vfof/kekU; u gksxh fd dk;Zokgh dk izkf/kdj.k ds xBu esa dksbZ
fjDr ;k =qfV fo|eku FkhA
vfof/kekU; u gksuk

v;/k;&ikap

ifjfu;e vkSj fu;e

ifjfu;e 28- bl vf/kfu;e ds micU/kksa ds v;/khu jgrs gq,] fo'ofokky; rFkk
deZpkfj;ksa ds lEcU/k esa lHkh ;k fdh fo`k; ds fy, ifjfu;e vkSj
fu;ekoyh }kjk O;oLFkk dh tk ldrh gS] tks fuEuor gS%& $\frac{1}{4}d\frac{1}{2}$ fo'ofokky; ds
izkf/kdkfj;ksa ds dk;Z&lEiknu vkSj ,slh bdkbZ;ksa ds xBu dh izfØ;k] tks bl

vf/kfu;e esa fofufnZ"V ugha dh xbZ gS(

$\frac{1}{4}[k\frac{1}{2}$ LFkktbZ foU;kl fuf/k] lkekU; fuf/k vkSj fodkl fuf/k dk

lapkyu(

$\frac{1}{4}x\frac{1}{2}$ dqyifr] izfrdqyifr] dqylfo vkSj foRr vf/kdkjh dh fu;qfDr

ds fu;e o 'krsZa] rFkk mudh 'kfDr;k; o d`R;{(

$\frac{1}{4}?k\frac{1}{2}$ fo'ofokky; ds vU; vf/kdkfj;ksa] v;/kidksa vkSj deZpkfj;ksa

dh fu;qfDr dh jhfr vkSj lsok 'krsZa($\frac{1}{4}^3\frac{1}{2}$ fo'ofokky; vkSj mlds

vf/kdkfj;ksa] ladk; ds lnL;ksa deZpkfj;ksa vkSj Nk=ksa ds e/; fookn ds

fujkdj.k dh cfØ;k(

$\frac{1}{4}p\frac{1}{2}$ foHkkxksa vkSj ladk;ksa dk l`tu] mRlknu vkSj mldh

iqulZajpuk(

$\frac{1}{4}N\frac{1}{2}$ vU; fo'ofokky;ksa rFkk mPp f'k{kk dh laLFkktvksa ds lkFk

lg;ksx dh jhfr(

$\frac{1}{4}t\frac{1}{2}$ ekun~ mikf/k;ksa dks iznku djus dh izfØ;k(

$\frac{1}{4}>\frac{1}{2}$ fu%'kqYdrk vkSj Nk=o`fRr;ka iznku djuk(

$\frac{1}{4}\forall\frac{1}{2}$ fofHkUu ikB~;Øeksa esa lhVksa dh la;k rFkk ,sls

ikB~;Øeksa esa Nk=ksa ds izos`k dh izfØ;k] ftlesa mRrjk[k.M

ds LFkk;h fuokfl;ksa ds fy, lhVksa ds vkj{k.k dh O;oLFkk Hkh lEefyr gS($\frac{1}{4}V\frac{1}{2}$

fofHkUu ikB~;Øeksa ds fy, Nk=ksa ls fy, tkus okys 'kqYd(

$\frac{1}{4}B\frac{1}{2}$ v;/srko`fRr;ka] Nk=o`fRr;ka] v/;;uo`fRr;ksa] fu%'kqYdrk]

ind vkSj iqjLdkj dh laLFkr djuk($\frac{1}{4}M\frac{1}{2}$ inksa dk l`tu vkSj lekiu

djuk(

$\frac{1}{4} < \frac{1}{2}$ fo'ofok|ky; ds Nk=ksa@deZpkjh;ksa ds fo#) vuq'kklukRed
dk;Zokgh(

$\frac{1}{4}.k\frac{1}{2}$ vU; ekeys] tks fofgr fd;s tk,aA

$\frac{1}{4}r\frac{1}{2}$ dqykf/kifr dh fu;qfDr mudh 'kfDr;k; ,oa d`R;(ifjfu;e dSls 29- $\frac{1}{4}1\frac{1}{2}$ O;oLFkkid e.My }kjk cuk;s x;s izFke ifjfu;e jkT; ljdkj ds vuqeksnu ds fy, izLrqr fd;s cuk;s tk;saxs tk;saxs] tks mikUrj ds lkFk ;k fcuk mikUrj ds ifjfu;eksa dh izkfIr ds fnuk;d ds rhu ekg ds vUnj viuk vuqeksnu ns ldsxhA

$\frac{1}{4}2\frac{1}{2}$ tgg; jkT; ljdkj mi/kkjk $\frac{1}{4}1\frac{1}{2}$ ds v/khu fofufnZ"V vof/k esa ifjfu;eksa ds vuqeksnu ds lEcU/k esa dksbZ fofu'p; djus esa vlQy jgrh gS] ogka ;g le>k tk;sxx fd jkT;

ldkj us ifjfu;eksa dks vuqeksfnr dj fn;k gSA

ifjfu;e esa 30- O;oLFkkid e.My jkT; ljdkj ds iwokZuqeksnu ls u, ;k vfrfjDr ifjfu;e cuk ldsxk ;k ifjfu;eksa la'kks/ku djus dk la'kks/ku ;k fujlu dj ldsxkA dh 'kfDr

fu;e 31- bl vf/kfu;e ds micU/kksa ds v/;k/khu jgrs gq;s] fuEuifyf[kr leLr ;k muesa ls fdllh fo"k; ds fy, fu;eksa dh O;oLFkk dh tk ldrh gS] tks fuEuor gS(vFkkZr~%&

$\frac{1}{4}d\frac{1}{2}$ fo'ofok|ky; esa Nk=ksa dk izos'k] mudk ukekadu vkSj bl :i esa cus jguk(

$\frac{1}{4}[k\frac{1}{2}$ fo'ofok|ky; dh lHkh mikf/k;ksa vkSj vU; fof'k"Vrkvksa ds fy, fu/kkZfjr fd;s tkus okys ikB~;Øe(

$\frac{1}{4}x\frac{1}{2}$ mikf/k;ksa vkSj fo|k lEcU/kh fof'k"Vrkvksa dks iznku djuk(

$\frac{1}{4}?k\frac{1}{2}$ v?;srko`fRr;ka] Nk=o`fRr;ka] v/;;uo`fRr;k;] ind rFkk iqjLdkj iznku djus dh 'krsZa(

$\frac{1}{4}^3\frac{1}{2}$ ijh{kkvksa dk lapkyu rFkk ijh{kk ysus okys fudk;ksa] ijh{kdksa vUrjh{kdksa] lkj.khdkjksa rFkk vuqlhedksa dh fu;qfDr dh 'krsZ vkSj jhfr rFkk muds drZO;(

$\frac{1}{4}p\frac{1}{2}$ fo'ofok|ky; dh ijh{kkvksa] mikf/k;ksa vkSj vU; 'kSf{kdk fof'k"Vrkvksa ds fy, fy;k tkus okyk 'kqYd(

$\frac{1}{4}N\frac{1}{2}$ fo'ofok|ky; ;k fdllh la?kVd egkfo|ky; esa Nk=ksa ds fuokl dh 'krsZa(

$\frac{1}{4}t\frac{1}{2}$ fo'ofok|ky; ;k fdllh la?kVd egkfo|ky; ds Nk=ksa esa vuq'kklu cuk, j[kus gsrq(

$\frac{1}{4}>\frac{1}{2}$ Nk=ks ls fofHkUu fo"k;ksa ds fy;s 'kqYd o tek jkf'k fy;k tkus gsrq(

$\frac{1}{4}\text{¥}\frac{1}{2}$ vU; lHkh fo"k;] ftuds fy, bl vf/kfu;e ds v/khu fufeZr fu;eksa ;k ifjfu;eksa esa izkfo/kku fd;k tk,A fu;e dSls cuk, 32- $\frac{1}{4}1\frac{1}{2}$ fu;e O;oLFkkid e.My }kjk cuk, tk;saxs vkSj bl izdkj cuk,

x;s fu;e jkT; ljdkj dks tk;ksa vuqeksnu ds fy, izLrqr fd, tk;sksa]
 tks fd fu;eksa dh izkfkr ds fnuk;d ls nks ekg ds vanj] mikUrj ds
 lkFk ;k fcuk mikUrj ds] viuk vuqeksnu ns ldsxhA

$\frac{1}{4}2\frac{1}{2}$ tgka jkT; ljdkj mi/kkjk $\frac{1}{4}1\frac{1}{2}$ ds v/khu fofufnZ"V vof/k esa
 fu;eksa ds vuqeksnu ds lEcU/k esa dksbZ Hkh fofu'p; djus esa
 vleFkZ gks rks] ogka ;g le>k tk;sxk fd jkT; ljdkj us fu;eksa dks

vuqeksfnr dj fn;k gSA
 fu;eksa dks 33- O;LFkkid e.My] jkT; ljdkj ds iwokZuqeksnu ls u, ;k vfrfjDr fu;e
 cuk ldsxk ;k fu;eksa dk la'kksf/kr djus dh la'kks/ku ;k fujlu dj ldsxkA
 'kfDr

v/;k;&N
 izdh.kZ

mRrjk[k.M ds 34- $\frac{1}{4}1\frac{1}{2}$ fo'ofokky; }kjk lapkfyr lHkh ikB~;Øeksa esa izos'k ds
 fy, 40 izfr'kr mRrjk[k.M ds LFkk;h

LFkk;h fuokfl;ksa fuokfl;ksa ds fy, vkjff{kr dh tk;saxh] ;fn LFkk;h fuokfl;ksa
 gsrq vkjff{kr lhVsa [kkyh jg tkrh gS] rks fjDr lhVsa vU; Nk=ksa }kjk Hkjh tk
 ldrh gSA

ds fy, micU/k

$\frac{1}{4}2\frac{1}{2}$ fo'ofokky; }kjk lapkfyr fofHkUu ikB~;Øeksa esa
 mi/kkjk $\frac{1}{4}1\frac{1}{2}$ esa of.kZr izos'kr fo|kfFkZ;ksa] tks
 mRrjk[k.M jkT; ds LFkk;h fuoklh gksa] dks fu/kkZfjr
 f'k{k.k 'qkYd esas 26 izfr'kr dh NwV iznku dh tk;sxhA

$\frac{1}{4}3\frac{1}{2}$ izns'k ds LFkk;h fuokfl;ksa dks] tks lewg ßxP o ß?kP
 Js.kh ds inksa gsrq ;ksX;rk/kkfj;ksa dh bu Js.f.k;ksa esa leLr
 inksa ij fu;qfDr;kj dh tk;sxhA

deZpkfj;ksa dh 35- $\frac{1}{4}1\frac{1}{2}$ izR;sd deZpkjh dh fu;qfDr ,d fyf{kr lafonk ds v/khu
 dh tk;sxh] tks fo'ofokky; ds ikl lsok 'krsZa j[kh tk;sxh vkSj mldh ,d izfr
 lEcU/kr deZpkjh dks nh tk;sxhA

$\frac{1}{4}2\frac{1}{2}$ deZpkfj;ksa ds fo:) vuq'kklukRed dk;Zokgh fo'ofokky;
 ifjfu;eksa esa fufgr izfØ;k ds vuqlkj 'kkflr gksxhA

$\frac{1}{4}3\frac{1}{2}$ fo'ofokky; vkSj fdLh deZpkjh ds chp lafonk ls mRiUu
 gksus okys fookn dk lek/kku bl lEcU/k esa cuk, x, ifjfu;e
 dh izfØ;k ds vUrxZr fd;k tk,xkA

$\frac{1}{4}4\frac{1}{2}$ bl vf/kfu;e esa fufgr fdLh ckr ds gksrs gq, Hkh
 fo'ofokky; ds deZpkfj;ksa dks yksd lsod ugha le>k tk;sxk
 vkSj og ges'kk] bl vf/kfu;e ds iz;kstu ds fy;s] ;k vU;Fkk]
 fo'ofokky; ds futh jkstxkj ds v/khu jgsxkA

vihy dk 36 fo'ofokky;] ;k fdLh la?kVd egkfo|ky;] {ks=h; dsUnzksa] v/;u
 dsUnzksa] vuqla/kku dsUnzksa vkSj dSfj;j vf/kdkj ,dsMfed lS.VlZ ds izR;sd

deZpkjh dks fo'ofok|ky; ;k fdlh ,sls egkfo|ky; ds izkpk;Z] {ks=h; dsUnzksa] v/;;u dsUnzksa vkSj dSfj;j ,dsMfed lS.VlZ ds fdlh vf/kdkjh ;k izkf/kdkjh] ;FkkfLFkfr fofu'p; ds fo:) izcU/k e.My dks] ,sls le; ds vUnj] tks fofgr fd;k tk;s vihy djus dk vf/kdkj gksxk vkSj ml ij izcU/k e.My ,sls fofu'p; dks] ftlds fo:) vihy dh xbZ gS iqf"V] mikUrfjr ;k ifjofrZr dj ldsxkA

Hkfo"; fuf/k ,oa 37- fo'ofok|ky; vius deZpkfj;ksa ds ykHk ds fy,] ,slh jhfr ls vkSj ,slh 'krksZa ds v/;/khu jgrs gq, tks isa'ku fofgr fd;s tk;s] ,sls Hkfo"; ;k isa'ku fuf/k;ksa dk xBu djsxk] tSlk og mfpr le>sa

fo'ofok|ky; 38- ;fn ;g iz'u mRiUu gks fd D;k dksbZ O;fDr fo'ofok|ky; ds izkf/kdkjh ;k vU; fudk; ds lnL; ds izkf/kdkj.k vkSj :i esa fof/kor ukfer ;k fu;qDr fd;k x;k gS] ;k mldk lnL; gksus dk gdnkj gS rks og fo"k; fudk;ksa ds xBu dqykf/kifr dks fufnZ"V fd;k tk;sxk] ftldk ml ij fofu'p; vfUre gksxkA ds ckjs esa fookn

lfefr;ksa dk xBu 39- /kkjk 20 esa mfYyf[kr fo'ofok|ky; ds fdlh izkf/kdkjh dks ,sls izkf/kdkjh dh lfefr xBr djus dh 'kfDr gksxh] ftlesa ,sls lnL; gksaxs vkSj ftudh ,slh 'kfDr;k; gksaxh] tks ,slk izkf/kdkjh mfpr le>saA

vkdfLed 40- fo'ofok|ky; ds fdlh izkf/kdkjh ;k fudk; ds insu lnL;ksa ls fHkUu lnL;ksa esa ls fdlh vkdfLed fjfDr;ksa dh iwfrZ fjfDr dh iwfrZ mlh jhfr ls dh tk;sxh] ftl jhfr ls og lnL;] ftldh fjfDr dh iwfrZ djuh gks] pquk x;k gks] vkSj fjfDr dh iwfrZ djus okyk O;fDr ,sls izkf/kdkjh ;k fudk; dk lnL; ml vof"V vof/k ds fy, gksxk ftlds fy, og O;fDr] ftldk LFkku og Hkjr@Hkjr gS] lnL; cuk jgrk gSA

lnHkkoukiw.kZ dh 41- fo'ofok|ky; ds fdlh vf/kdkjh ;k deZpkjh ds fo:) dksbZ okn ;k vU; fof/k dk;Zokgh] fdlh Hkh

xbZ dk;Zokgh ds ,sls fo"k; ds lEcU/k esa] tks v/;kns'kksa ;k ifju;eksa ;k fu;eksa ds micU/kksa ds vuqlj.k esa

fy, izfrlaj{k.k ln~HkkoukiwoZd dh xbZ gS] ;k dh tkus ds fy, vk'kf;r gSa] lafLFkr ugha gksxhA

laØe.kdkyhu 42- bl vf/kfu;e o ifju;eksa ds fdUgha vU; micU/kksa esa fdlh ckr ds gksrs gq, Hkh%&

micU/k $\frac{1}{4}$ d $\frac{1}{2}$ izFke dqyifr ,oa izFke izfr&dqyifr $\frac{1}{4}$;fn dksbZ gS $\frac{1}{2}$] dh fu;qfDr dqykf/kifr }kjk O;LFkkid

e.My ds iwokZuqeksnu ls dh tk;sxh vkSj mDr vf/kdkjh rhu o"kZ dh vof/k ds fy, in /kkj.k

djsxk(

$\frac{1}{4}$ [k $\frac{1}{2}$ izFke dqylfpo vkSj izFke foYk vf/kdkjh dh fu;qfDr dqykf/kifr }kjk O;LFkkid e.My ds

iwokZuqeksnu ls dh tk;sxh vkSj mDr vf/kdkjh rhu o"kZ dh vof/k ds fy, in /kkj.k djsxk(

$\frac{1}{4}x\frac{1}{2}$ izFke O;oLFkkid e.My rhu o"kZ ls vuf/kd dh vof/k ds
fy, in /kkj.k djsxk{

$\frac{1}{4}k\frac{1}{2}$ izFke izcU/k e.My] izFke foYk lfefr vkSj izFke fo|k
ifj"kn~ dk xBu] dqykf/kifr }kjk

O;LFkkid e.My ds iwokZuqeksnu ls rhu o"kZ dh vof/k ds fy;s fd;k
tk,xkA

LFkk;h foU;kl 43- fo'ofok; }kjk jkT; ljdkj ds uke ls lysTM ik;p djksM+ :i;s dh ,d
LFkk;h foU;kl fuf/k

fuf/k jk"V^ah;d`r cSad dh cSad xkjaVh ds #i esa LFkkfir dh tk;sxh] ftldh vof/k
ik;p o"kZ dh gksxh] mlds

mijkUr iqu% ik;p o"kZ ds fy, uohuhdj.k dj;k tk;sxkA

lkekU; fuf/k 44- $\frac{1}{4}1\frac{1}{2}$ fo'ofok; }kjk ,d lkekU; fuf/k LFkkfir dh tk;sxh] ftlesa
fuEufyf[kr /kujkf'k tek dh

tk;sxh{ vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ fo'ofok; }kjk fy;s tkus okys lHkh 'kqYd{

$\frac{1}{4}[k\frac{1}{2}$ fdh vU; lzksr ls izklr leLr /kujkf'k{

$\frac{1}{4}x\frac{1}{2}$ izk;ksftr laLFkk }kjk fd;s x;s lHkh va'knku(
vkSj

$\frac{1}{4}k\frac{1}{2}$ fdh vU; O;fDr ;k fudk; }kjk] ftls rRle; izo`Rr fdh vU; fof/k }kjk fuf'k) u
fd;k x;k gks] bl fufeRr fd;s x;s lHkh va'knku@nkuA

$\frac{1}{4}2\frac{1}{2}$ lkekU; fuf/k esa tek /kujkf'k dk mi;ksx fo'ofok; ds
lHkh vkorZd O;;ksa ds fy;s fd;k

tk;sxkA

fodkl fuf/k 45- $\frac{1}{4}1\frac{1}{2}$ fo'ofok; }kjk ,d fodkl fuf/k Hkh LFkkfir dh tk;sxh] ftlesa
fuEufyf[kr fuf/k;ka tek dh

tk;saxh{ vFkkZr~ %&

$\frac{1}{4}d\frac{1}{2}$ fodkl 'kqYd] ftls Nk=ksa ls izHkkfjr fd;k tk;s{

$\frac{1}{4}[k\frac{1}{2}$ fo'ofok; ds fodkl ds iz;kstu ds fy, fdh vU; lzksr ls izklr leLr /kujkf'k{

$\frac{1}{4}x\frac{1}{2}$ izk;ksftr laLFkk }kjk fd;s x;s lHkh va'knku{

$\frac{1}{4}k\frac{1}{2}$ fdh vU; O;fDr ;k fudk; }kjk ftls rRle; izo`Rr fdh vU; fof/k }kjk fuf'k) u
fd;k x;k gks] bl fufeRr fd;s x;s lHkh va'knku@nku{ vkSj

$\frac{1}{4}^3\frac{1}{2}$ LFkk;h foU;kl fuf/k ls izklr leLr vk;A

$\frac{1}{4}2\frac{1}{2}$ le;≤ ij fodkl fuf/k esa tek dh x;h /kujkf'k dk mi;ksx
fo'ofok; ds fodkl ds fy, fd;k tk;sxkA

fuf/k dk vuqj{k.k 46- /kkjk 43] 44 vkSj 45 ds v/khu LFkkfir fuf/k;ksa dks] O;oLFkkid e.My ds lkekU; i;Zos{k.k vkSj fu;a=.k ds v;/khu jgrs gq;s] fofgr jhfr ls fofu;fer vkSj vuqjf{kr fd;k tk;sxkA

Okkf"kZd izfrosnu 47- $\frac{1}{4}1\frac{1}{2}$ fo'ofokj; dk okf"kZd izfrosnu izcU/k e.My ds funsZ'kksa ds v/khu rS;kj fd;k tk;sxk vkSj mls O;oLFkkid e.My dks vuqeksnu ds fy, izLrqr fd;k tk;sxkA

$\frac{1}{4}2\frac{1}{2}$ O;oLFkkid e.My] viuh cSBd esa okf"kZd izfrosnu ij fopkj djsxk vkSj og mls mikUrj ds lkFk ;k fcuk mikUrj ds vuqeksfnr dj ldrk gSA

$\frac{1}{4}3\frac{1}{2}$ O;oLFkkid e.My }kjk fof/kor vuqeksfnr okf"kZd izfrosnu dh ,d izfr] izfro"kZ 31 ekpZ dks lekIr gq, foRr o"kZ ds vuqorhZ 31 fnlEcj ls igys dqyk/;{k $\frac{1}{4}$ foftVj $\frac{1}{2}$ vkSj jkT; ljdkj dks izsf"kr dh tk;sxhA

ys[kk o ys[kk 48- $\frac{1}{4}1\frac{1}{2}$ fo'ofokj; ds okf"kZd ys[kk vkSj rgyu i= izcU/k e.My ds funsZ'kksa ds v/khu rS;kj fd;s ijh{kk tk;saxs vkSj fdLH Hkh lzksr ls fo'ofokj; dks izksn~Hkwr ;k izklr leLr /kujkf'k vkSj ,slh leLr

/kujkf'k dh] ftudk laforj.k ;k Hkqxrku fd;k x;k gks] fo'ofokj; }kjk j[ks x;s ys[kksa esa izfof"V dh tk;sxhA

$\frac{1}{4}2\frac{1}{2}$ fo'ofokj; ds okf"kZd ys[kk dh izfro"kZ ys[kk&ijh{k d }kjk ys[kk&ijh{k dh tk;sxh] tks bULVhV~;wV vkWQ pkVZMZ ,dkm.VSaV~l vkWQ bf.M;k $\frac{1}{4}$ vkBZñlhñ,ñvkBZñ $\frac{1}{2}$ ds lnL; gksaA

$\frac{1}{4}3\frac{1}{2}$ ys[kk ijh{k izfrosnu ds lkFk okf"kZd ys[kkvksa vkSj rgyu&i= dh ,d izfr izfro"kZ 31 ekpZ dks lekIr gksus okys foRrh; o"kZ ds vuqorhZ 31 fnlEcj ls dkQh igys O;oLFkkid e.My dks izLrqr dh tk;sxhA

$\frac{1}{4}4\frac{1}{2}$ O;oLFkkid e.My }kjk okf"kZd ys[kk] rgyu&i= vkSj ys[kk&ijh{k lekU/kh izfrosnu ij viuh cSBd esa fopkj fd;k tk;sxk vkSj O;oLFkkid e.My mUgsa mu ij viuh vH;qfDr;ksa ds lkFk izfro"kZ 31 fnlEcj ls igys dqyk/;{k $\frac{1}{4}$ foftVj $\frac{1}{2}$ vkSj jkT; ljdkj dks vxzlkfjr djsxkA

fo'ofokj; ds 49- fo'ofokj; ds dCts esa fo'ofokj; ds fdLH izkf/kdkjh ;k lfefr dh fdLH jlh] vkosnu] vfHkys[k dks fl] lwpuk] vkns'k] dk;Zokgh ;k ladYi ;k vU; nLrkost ;k fo'ofokj; }kjk lE;d] :i ls djus dh jhfr fof/kor j[kh xbZ fdLH iwath dh dksbZ izfof"V ;fn dqy lfpo }kjk izekf.kr gks rks mls ,slh

jlh] vkosnu] lwpuk] vkns'k] dk;Zokgh] ladYi ;k nLrkost ds ;k iaftdk esa izfof"V gksus ds izFke n"V;k lk{; ds :i esa xzg.k fd;k tk;sxk vkSj mlesa vfHkfyf[kr fo"o" vkSj laO;ogkj ds fy, lk{; ds :i esa mlh izdkj

xzg.k fd;k tk;sxx] tSlk fd ;fn ewy izfr izLrqr dh xbZ gks] rks og lk{;
ds :i esa Lohdkj gksxhA

fo'ofokj; dk 50- $\frac{1}{4}1\frac{1}{2}$;fn izk;ksftr laLFkk }kjk enjgqM fo'ofokj; ds xBu vkSj
fuxe fu;af=r djus okyh fof/k fo?kVu ds vuqlkj mlds lekiu dk izLrko
j[krh gks rks mls jkT; ljdkj dks de ls de rhu ekg dk fyf[kr uksfVl nsuk
gksxkA

$\frac{1}{4}2\frac{1}{2}$ fo'ofokj; dh izcU/k iz.kkfy;ksa esa dqizcU/k]
dqiz'kklu] vuq'kkluhurk] fo'ofokj; ds mn~ns'; dh iwfrZ
esa foQy gksuk ,oa vkfFkZd dfBukbZ;ksa dh igpku fd;s
tkus ij jkT; ljdkj }kjk fo'ofokj; ds izcU/k O;oLFkk dks
funsZ'k tkjh djsxh] ftudk ,slh le; lhek ds v/khu] tSlh fofgr
dh tk;] vuqiky u gksus ij fo'ofokj; ds iflekiu dk fu.kZ;
ysus dk vf/kdkj jkT; ljdkj esa fufgr gksxkA

$\frac{1}{4}3\frac{1}{2}$ fo'ofokj; dk iflekiu ,slh jhfr ls fd;k tk;sxx] tks bl fo"i;
jkT; ljdkj }kjk fofgr fd;s tk;s(ijUrq ;g fd mlds fy, izk;ksftr
laLFkk dks ^dkj.k crkvks uksfVl* ds fy, leqfpr volj iznku
fd;s fcuk ,slh dksbZ dk;Zokgh vkjEHk ugha dh tk;sxhA

$\frac{1}{4}4\frac{1}{2}$ mi/kkjk $\frac{1}{4}1\frac{1}{2}$ esa fufnZ"V uksfVl ds izklr gksus ij jkT;
ldkj lkafof/kd ifj"kn~ ,oa fo'ofokj; vuqnku vk;ksx ls
ijke'kZ djds izk;ksftr laLFkk }kjk fo'ofokj; fo?kVu ds
izLrkfor fnukad ls vkSj tc rd fo'ofokj; ds fu;fer
ikB~;Øeksa esa Nk=ksa dk vfUre cSp vius ikB~;Øeksa
dks ,slh jhfr ls iwjk u dj ys] fo'ofokj; ds iz'kklu dh ,slh
O;oLFkk djsxk] tSlh iffu;eksa }kjk fofgr dh tk;sA

$\frac{1}{4}5\frac{1}{2}$ fo'ofokj; ds fo?kVu ij lHkh lEifr ,oa nkf;Ro izk;ksftr
laLFkk esa fufgr gks tk,xhA

fo'ofokj; ds 51- $\frac{1}{4}1\frac{1}{2}$ /kkjk 50 ds v/khu fo'ofokj; dk izcU/k xzg.k djus dh
vof/k ds nkSjku mlds iz'kklu ds fo?kVu ds le; fy;s gksus okyk O;;
LFkk;h foU;kl fuf/k] lkekU; fuf/k ;k fodkl fuf/k ls iwjk fd;k tk;sxxA fo'ofokj; ds
 $\frac{1}{4}2\frac{1}{2}$;fn mi/kkjk $\frac{1}{4}1\frac{1}{2}$ esa fufnZ"V fuf/k;ka] fo'ofokj; dk
izcU/k xzg.k djus dh vof/k ds nkSjku O;; mlds iz'kklu ds fy, i;kZIr
ugha gS] rks ,sls O;; dh iwfrZ fo'ofokj; dh lEifr;ksa vFkok
vkfLr;ksa ds fuLrkj.k }kjk dh tk ldrh gSA

dfBukbZ;ksa dk 52- $\frac{1}{4}1\frac{1}{2}$;fn bl vf/kfu;e ds micU/kksa dks ykxw djus esa
dksbZ dfBukbZ mRiUu gks rks jkT; ljdkj fujkdj.k vf/klwpuk ;k
vkns'k }kjk ,sls izkfo/kku dj ldrh gS] tks bl vf/kfu;e ds micU/kksa ls vlaxr
u gks vkSj tks dfBukbZ;ksa dks nwj djus ds fy, mls vko';d ;k
lehphu izrhr gks %

ijUrq ;g fd mi/kkjk ¼1½ ds v/khu dksbZ
vf/klwpuk ;k vkns'k bl vf/kfu;e ds izkjEHk ls rhu o"kZ dh
vof/k dh lekflr ds i'pkr ugha fn;k tk;sxkA

¼2½ mi/kkjk ¼1½ ds v/khu fn;k x;k izR;sd vkns'k]
;Fkk'kh?kz jkT; fo/kku lHkk ds le{k j[kk tk;sxkA

THE MOTHERHOOD UNIVERSITY BILL, 2014

[UTTARAKHAND BILL NO. ____ OF 2014]

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THE MOTHERHOOD UNIVERSITY BILL, 2014 [UTTARAKHAND BILL NO. OF 2014]

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to establish and incorporate a Private University in the name of “**Motherhood University**” at Rurkee promoted by Institute of Management & Technology Society registered

under Societies Registration Act, 1860 at Roorkee, Uttarakhand to provide and facilitate education, training and research in the areas of Technical education, Higher education, Medical and Dental education, Legal education, Aviation education, Social Sciences, General Sciences and other areas of education.

It is hereby enacted by Uttarakhand State Legislature in the sixty-fifth Year of the Republic of India as follows:

CHAPTER-1

Preliminary

Short title and 1. (1) This Act may be called the “Motherhood University” Act, 2014.

Commencement (2) It shall be deemed to have come into force on the date, the notification is issued by State Government in the Official Gazette.

Definitions 2. In this Act, unless the context otherwise required:-

- (z)“**Academic Council**” means the Academic Council of the University;
- (aa)“**Authorities**” means Authorities of the University;
- (bb)“**Board of Governors**” means the Board of Governors of the University;
- (cc)“**Board of Management**” means the Board of Management of the University;
- (dd)“**Board of Studies**” means the Board of Studies of the University;
- (ee)“**Board of Examinations**” means Board of Examinations of the University;
- (ff)“**Chancellor**”, **Pro-Chancellor**, “**Vice Chancellor**”, “**Pro Vice Chancellor**”, “**Registrar**”, “**Controller of Examinations**”, and “**Finance Officer**” respectively means the “Chancellor”, Pro-Chancellor, “Vice Chancellor”, “Pro Vice Chancellor”, “Registrar”, “Controller of Examinations”, and “Finance Officer” of the University;
- (gg)“**Campus**” means the campus of the University;
- (hh)“**Constituent College**” means a college or institution maintained by the University;
- (ii)“**Career Academy Centre**” means such centre which is established, conducted and recognized by the University for the purposes of acceptance of e-mails, internet, interactive talk, training, lectures, conduct of seminar and workshops, guidelines, consultation or any type of necessary help for students;
- (jj)“**Director**” of campus or Principal/Dean regarding Constituent College means the Head of that campus or Constituent College and where there is no Director/Principal/Dean appointed, any other person for the time being appointed is also included;
- (kk)“**Distance Education System**” means the system of imparting education within the State through any means of information technology and communication such as multimedia, broadcasting, telecasting, online over internet, other interactive methods, e-mails, internet, computer, interactive talk, e-learning, correspondence courses, seminars, contact programmes or a combination of any two or more of such means;
- (ll)“**Deposits**” means collection made by the University from the students under the name Deposits, which is refundable;
- (mm)“**Dean of Faculty**” means the Dean of Faculty of the University;
- (nn)“**Department**” means a department (Academic Unit) of a college,

- teaching and undertaking research in a subject or a group of subjects;
- (oo)“Employee”** means employee appointed by the University; and includes teachers and other staff of the University or of Constituent College;
- (pp)“Finance Committee”** means Finance Committee of the University;
- (qq)“Faculty”** means faculty of the University;
- (rr)“Fee”** means collection made by the University from the students under the name Fee, which is not refundable;
- (ss)“Government”** means the State Government of Uttarakhand;
- (tt)“Hall” or “Hostel”** means a unit for residence for students maintained or recognized by the University or Constituent College;
- (uu)“Motherhood Institute of Management & Technology Society”** means a society registered under The Society Registration Act, 1860, having registered office at MIMT Compound Vill- Karoundi, Post-Bhagwanpur, Roorkee, 247667;
- (vv)“Promoting Society”** means Motherhood Institute of Management & Technology Society, registered under The Society Registration Act, 1860;
- (ww)“Prescribed”** means prescribed by the Statutes;
- (xx)“Permanent Resident”** means any resident of the state who has the valid domicile/ permanent resident certificate issued by the prescribed authority as per the rules framed by the State Government from time to time;
- (aa) "Regional Centre"** means a centre established or maintained by the University for the purpose of co-ordinating and supervising the work of Study Centres in any region and for performing such other functions as may be conferred on such centre by the Board of Management;
- (bb) "State"** means State of Uttarakhand;
- (cc) "Statutes", “Rules” and “Ordinance”** means, respectively, the “Statutes”, “Rules” and “Ordinance” of the University made under this Act;
- (dd) "Study Centre"** means a centre established, maintained or recognized by the University for the purpose of advising, counselling or for rendering any other assistance required by the students;
- (ee) "Teacher"** means a Professor/Dean, Associate Professor, Assistant Professor/Lecturer or such other person as may be appointed for imparting instruction or conducting research in the University or in Constituent Colleges and institution and includes the Principal/ Dean of the Constituent College;
- (ff) "UGC"** means the University Grants Commission established under the University Grants Commission Act, 1956;
- (gg) "University"** means the “Motherhood University” under this Act;
- (hh) “Bodies”** means the bodies of the University constituted by the relevant authorities;
- (ii) “Visitor”** means the Visitor of the University.

CHAPTER - II

The University and its Objects

- Proposal for 3. Establishment** (1) The Promoting Society means Motherhood Institute of Management & Technology Society, Roorkee, Uttarakhand shall have the right to

of University
provisions of

establish the Motherhood University in accordance with the
this Act.

(2) An application containing the proposal to establish a University has been made to the State Government by Promoting Society.

The proposal contained the following particulars, namely:-

- (a)** the objects of the University alongwith the details of Promoting Society; **(b)** the extent and status of the University and the availability of land;
- (c)** the nature and type of programs of study and research to be undertaken in the University during a period of the next five years;
- (d)** the nature of faculties, courses of study and research proposed to be started;
- (e)** the campus development such as buildings, equipment and structural amenities;
- (f)** the phased outlays of capital expenditure for a period of the next five years;
- (g)** the item-wise recurring expenditure, sources of finance and estimated expenditure for each student;
- (h)** the scheme for mobilizing resources and the cost of capital thereto and the manner of repayments to each source;
- (ii)** the scheme of generation of funds internally through the recovery of fee from students, revenues anticipated from consultancy and other activities relating to the objects of the University and other anticipated incomes;
- (j)** the details of expenditure on unit cost, the extent of concessions or rebate in fee, free ship and scholarship for students who are permanent resident of the State and the fee structure indicating varying rate of fee, if any, that would be levied on non resident Indians and students of other nationalities;
- (k)** the years of experience and expertise in the concerned discipline at the command of Promoting Society as well as the detail of financial resources;
- (l)** the system for selection of students to the courses of study at the University;
- (mi)** Status of fulfillment of such other conditions as may be required by the State Government to be fulfilled before the establishment of the University.

Establishment 4. **(1)** Where the State Government, after such inquiry is of University satisfied that Promoting Society, has fulfilled the conditions, norms and requirements for establishment of Motherhood University, hence a University to be known as Motherhood University is hereby established.

(2) The University shall be a body corporate by the name “Motherhood University” and shall have a perpetual succession and a common seal and shall sue and be sued by its name.

(3)(a) The main campus of the University shall be at Roorkee, Uttarakhand.

It may also have Campuses or regional centers, study centers at other places provided that the procedures established by the UGC and other statutory bodies shall be complied with. The University can open its second campus within the State after 5 (five) years of its coming into existence with prior approval of the State Government. The University can open other campuses any time in a hill region located at an altitude greater than 2500 feet without any time limit,

- (b) However, to establish new faculties where additional land would be required as per norms of the concerned regulatory body, the University shall establish a split campus either adjoining or nearby within Roorkee.
- (4) The Chancellor, the Pro-Chancellor, the Vice-chancellor, Pro-Vice Chancellor, Registrar, members of the Board of Governors, members of Board of Management and the Academic Council for the time being holding office as such in the University so established, shall constitute a body corporate and can sue and be sued in the name of the University.
- (5) On the establishment of the University under sub-section (1), the land and other moveable and immoveable properties acquired, created, arranged or built by Promoting Society, for the purpose of the University shall stand transferred to, and vest in the University.
- (6) The available land, building, various department/faculties of the University shall be must according the standard of Apex Regulatory Commission.
- (7) The infrastructural and other facilities of the University campus, off campus center, study center etc. shall be maintained as per the standards laid down by the UGC and other apex regulatory bodies.

State not under 5.

demand **any Statutory**

financial assistance **Obligation to**

grant Financial

or

Assistance to

be **theUniversity**

the

The University shall be self financing and shall neither make a nor shall be entitled to any grant-in-aid or any other

from the State Government or any other body or corporation owned

controlled by the State Government. However the University shall entitled to receive any such grant which may be granted under any special scheme of the State Government or any other body or corporation. This shall have no effect on the self-finance status of University.

No Power to 6.

Any

shall **Institution**

privileges

Objects of the 7.

University

disciplines

Dental

General

The University may have off-campus centers, Constituent Colleges, **Affiliate** Regional Centres, Study Centres and Career Academic Centres but

have no power to admit any other college or institution to the of affiliation.

The objectives for which the University is established areas follows:-

- (a) to provide instructions, teaching, training and research in all pertaining to Technical education, Higher education, Medical and education, Legal education, Aviation education, Social Sciences, Sciences and other areas of education;

- of graduate courses
- (j) to establish campuses or Constituent Colleges of Technical education, Higher education, Medical and Dental education, Legal education, Aviation education, Social Sciences, General Sciences and other areas education for offering certificate, diploma, graduate degree, post degree and Doctoral degree which would be as nominated by the University Grants Commission but the University shall, have the right to start other diploma and certificate courses in furtherance of its Objectives;
- (k) to establish a Constituent Centre for Continuing Education to provide instructions through the distance learning methodology for the mentioned in programs as given in clause (b) above;
- (l) to establish examination centres;
- (m) to institute degrees, diplomas, certificates, and other academic distinctions on the basis of examination, or any other such method;
- (n) to establish research and development centre to promote research and innovations in the Technical education, Higher education, Medical and Dental education, Legal education, Aviation education, Social Sciences, General Sciences and other areas of education through Seminars, conferences, workshops, educational programmes, community development program, publications, training programmes, and study groups etc.;
- (o) to undertake extra-mural studies, extension programmes and field outreach activities to contribute to the development of the society;
- (p) to set up Off-shore campuses as per the provision laid down by UGC.
- (q) to pursue any other objective as may be approved by the Board of Governors within the rules of the State Government and UGC;
- Powers of 8. the University**
- Technical
Legal
Sciences
research and
feasible
degrees
constituent
Statutes/Provisions;
prizes etc. in
case
- (1) The University shall have the following powers; namely:-
- (a) to provide for instructions in all disciplines pertaining to education, Higher education, Medical and Dental education, education, Aviation education, Social Sciences, General and other areas of education and to make provision for for the advancement and dissemination of knowledge;
- (b) to carry out all such other activities as may be necessary or in furtherance of the objects of the University;
- (c) to hold examinations for, and to institute grant and confer or other academic distinctions to, and on, persons, who:
- (1) have pursued a course of study in the University or in a constituent College or through its distance education system at Regional Centre/ Study Centre/ Career Academy Centre; or
- (2) have carried on research in the University or in a body or under its distance education center;
- (d) to confer honorary degrees or other academic distinctions in the manner and under conditions laid down in the
- (e) to institute and award fellowships, scholarships and accordance with the Statutes;
- (f) to demand and receive such fees, deposits, bills, invoices and collect charges as may be fixed by the Statutes or rules, as the may be;

time to
completion of
the
shall

and

- (g)** to establish, maintain and recognize such Regional Centres and Study Centres as may be determined by the University from time in the manner laid down by the Statutes after the five years of the University. In this regard the guidelines of State Government and UGC as applicable from time to time be followed;
- (h)** to make provisions for extra curricular activities for students employees;
- (i)** to make appointments of faculty, officers and employees of the university or a Campus College, Constituent College, Regional Centres, Study Centres, Research Centres, Career Academy Centre; **(j)** to receive donations and gifts of any kind and to acquire, hold, manage, maintain and dispose of any movable or immovable property, for the purpose of the University or a Constituent College, or a Regional Centre, Study Centre and Career Academy Centre with prior permission of the Promoting Society;
- (k)** to institute and maintain halls/hostels and to recognize places of residence for students of the University or a Constituent College; **(l)** to supervise and control the residence of students and to regulate the discipline among the students and all categories of employees and to lay down the conditions of service of such employees including their Code of Conduct;
- (m)** to create Academic, Administrative, and Supporting staff and other necessary posts;
- (n)** to co-operate and collaborate with other Universities, Institutions, Organizations, Individuals, Industries and Societies in India and abroad in such a manner and for such purposes as the University may determine from time to time;
- (o)** to provide distant education system and the manner in which distance education in relation to the academic programmes of the University may be organized;
- (p)** to organize and conduct refresher course, orientation courses, workshops, seminars and other programmes for teachers, lesson writers, evaluators and other academic staff;
- (q)** to determine standards of admission to the University or a Constituent College, Regional Centres, Study Centres, with the approval of Academic Council;
- (r)** to make special provision for permanent resident of Uttarakhand for admission in any course of the University or in a Constituent College, Regional Centre, Study Centre, Research Centre and Career Academic Centre as per merit;
- (s)** to prescribe such courses for Bachelor Degree, Post Graduate Degree, Doctor of Philosophy, Doctor of Science Degree and Research and to start Diploma, Certificates in Technical education, Higher education, Medical and Dental education, Legal education, Aviation education, Social

Sciences, General Sciences and other areas of education which would be covered by UGC and other statutory bodies;

(t) to clearly set apart the academic activities of the University from the activities of the Promoting Society;

(u) to provide for the preparation of instructional materials, including films, cassettes, tapes, video cassettes, CD, DVD and other softwares;

(v) to recognise examinations of, or periods of study (whether in full or in part) of other Universities, Institutions or other places of higher learning as equivalent to examinations or periods of study in the University and to withdraw such recognition at any time;

(w) to raise, collect, subscribe and borrow funds with the approval of the Board of Governors whether on the security of the property of the University, money for the purposes of the University;

(x) to enter into, carry out, amend or cancel contracts;

(y) to do all such other acts or things whether incidental to the powers aforesaid or not, as may be necessary to further the objects of the University;

(z) to sue or be sued in its own name as a Legal Entity in any Court of Law, Tribunal or Authority through its authorized officer.

- (2) Notwithstanding anything contained in any other law for the time being in force but without prejudice to the provisions of sub-section (1), it shall be the duty of the University to take all such steps as it may deem fit for the promotion of the university and distance education system and for the determination of standards of teaching, evaluation and research in such systems and for the purpose of performing this function, the University shall have such powers, including the power to allocate and disburse grants to Colleges, Regional Centres and Study Centres and Career Academy Centres, whether admitted to its privileges or not or to any other University or institution of higher learning, as may be specified by the Statutes.

University open 9.
caste, to all classes,
castes, creed
and gender
prevent the
permanent

The University shall be open to all persons irrespective of class, creed or, gender ;

Provided that nothing in this section shall be deemed to University from making special provisions for admission to resident of Uttarakhand ;

or

Provided further that nothing in this section shall be deemed to require the University or constituent colleges or Regional Centres Study Centres or Career Academy Centres to admit in any course of study a larger number of students than may be determined by the

statutes;

National 10.
Accreditation

The University shall seek accreditation from respective national accreditation bodies.

CHAPTER – III**Officers of the University**

- University's Officers**
- 11.** The following shall be the officers of the University; namely:-
- (a) the Visitor;
 - (b) the Chancellor;
 - (c) the Pro-Chancellor;
 - (d) the Vice-Chancellor;
 - (e) the Pro Vice-Chancellor;
 - (f) the Registrar;
 - (g) the Deans of Faculties;
 - (h) the Finance Officer; and
 - (i) such other officers as may be declared by the Statutes to be the University.
- officers of Visitor**
- 12. (1)** The Governor of Uttarakhand will be the Visitor of the University.
- (2)** The Visitor shall, when present, preside at the convocation of the University for conferring degrees and diplomas.
- (3)** The Visitor shall have the following powers namely:-
- (a)** To call for information relating to the affairs of the University; **(b)** On the basis of the information received by the Visitor, if he is satisfied that any order, proceeding, or decision taken by any authority of the University is not in conformity with the Decision, Act, Regulations, Statutes, or Rules, he may issue such directions as he may deem fit in the interest of the University and the directions so issued shall be complied by all concerned.
- (c)** Every proposal for the conferment of an honorary degree shall be subject to the approval of the Visitor.
- The Chancellor**
- 13. (1)** The Chancellor may be appointed from amongst or by the members of the Promoting Society.
- (2)** The Chancellor shall have such powers as may be conferred on him by this Act or the Statutes made thereunder.
- The Pro-members Chancellor**
- 14. (1)** The Pro-Chancellor may be appointed from amongst or by the of the Promoting Society.
- (2)** The Pro-Chancellor shall have such powers as may be conferred on him by this Act or the Statutes made thereunder.
- The Vice-as Chancellor Board**
- 15. (1)** The Vice-Chancellor shall be appointed on such terms and conditions may be prescribed by the statutes for a term of three years by the of Governors from a panel of three persons recommended by the Committee constituted in accordance with the provisions of sub-section (2).
- (2)** The Committee referred to in sub-section (1) shall consist of the following persons, namely:-
- (a)** Chancellor;
 - (b)** The Principal Secretary/Secretary to the State Government in the Higher Education Department;
 - (e)** Three nominees of the Board of Governors;
 - (f)** One person nominated by the Promoting Society, who shall be the convenor of the committee.
- (3)** The committee shall, on the basis of merit, prepare a panel of names of three persons suitable to hold the office of the Vice-Chancellor

and forward the same to the Board of Governors alongwith a concise statement showing the academic qualifications and other distinctions of each person.

- (8) The Vice-Chancellor shall be the Principal executive and academic officer of the University and shall exercise general supervision and control over the affairs of the University and give effect to the decisions of the authorities of the University.
- (9) Where any matter other than the appointment of a teacher is of urgent nature requiring immediate action and the same could not be immediately dealt with by any officer or the authority or other body of the University empowered by or under this Act to deal with it, the Vice-Chancellor may take such action as he may deem fit with the prior approval of the Chancellor.
- (10) The Vice-Chancellor shall exercise such other powers and perform such other duties as may be laid down by the Statutes or the rules.
- (11) The Chancellor after due approval from the Board of Governors is empowered to remove the Vice-Chancellor after due enquiry. It will be open to the Chancellor to suspend the Vice-Chancellor during enquiry depending upon the seriousness of the charges, as he may deem fit.

The Pro-Vice Chancellor 16. A Pro-Vice-Chancellor may be appointed by the Chancellor with prior approval of the Board of Governors in such manner and shall exercise such powers and perform such duties as may be prescribed by Statutes.

The Registrar 17. (1) The Registrar shall be appointed by the Chancellor in such manner and on such terms and conditions as may be prescribed.

- (2) All contracts shall be entered into and signed by the Registrar on behalf of the University.
- (3) The Registrar shall have the power to authenticate records on behalf of the University and shall exercise such other powers and perform such other duties as may be prescribed or may be required from time to time, by the Chancellor or the Vice-Chancellor.
- (4) The Registrar shall be responsible for the due custody of the records and the common seal of the University and shall be bound to place before the Chancellor, the Vice-Chancellor or any other authority, all such information and documents as may be necessary for transaction of their business.

Deans of 18. Deans of faculties shall be appointed by the Vice-Chancellor with **Faculties** approval of Chancellor in such manner and shall exercise such powers and perform such duties as may be prescribed by Statutes.

The Finance Officer 19. The Finance Officer shall be appointed by the Chancellor in such manner and shall exercise such powers and perform such duties as may be prescribed by the Statutes.

Other Officer 20. The manner of appointment, terms and conditions of service and powers and duties of the other officers of the University shall be such as may be prescribed by the Statutes.

CHAPTER - IV

Authorities of the University

Authorities of 21. The following shall be the authorities of the University; namely:-

the University (a) The Board of Governors;
 (d) The Board of Management;
 (e) The Academic Council;
 (d) The Finance Committee; and
 (e) Such other authorities as may be declared by the Statutes to be authorities of the University.

The Board of 22. (1) The Board of Governors shall consist of:-

Governors and shall its powers (a) Chairman and Co-chairman (if any) of the Board of Governors
 be nominated from amongst the members of the Promoting
 Society;

- (b) The Chancellor - Vice Chairman;
- (c) The Vice-Chancellor - Member Secretary;
- (d) Two Academicians nominated by the Visitor;
- (e) Principal Secretary/Secretary to the State Government in the Higher Education Department ;
- (f) Five members nominated by the Promoting Society;
- (g) Two members nominated by the Chairman, Promoting Society from reputed higher education institutions;
- (h) Two members nominated by the Chairman, Promoting Society from reputed industrial/ corporate sector/ reputed practicing professionals.

(2) The Board of Governors shall be the Principal Governing Body of the University and shall have the following powers, namely:

- (a) to lay down policies to be pursued by the University;
- (b) to review decisions of the other authorities of the University if they are not in conformity with the provisions of this Act, or the Statutes or the Rules;
- (c) to approve the budget and annual report of the University;
- (d) to make new or additional Statutes or amend or repeal the earlier Statutes and Rules; .
- (e) to take decision about voluntary winding up of the University;
- (f) to approve proposals for submission to the State Government;
- and (g) to take such decisions and steps as are found desirable for effectively carrying out the objects of the University;
- (h) to appoint the Statutory Auditors of the University;
- (i) to open, close, operate and manage accounts of the University.

(3) The Board of Governors shall, meet at least twice in a year at such time and place as the Chairman, Board of the Governors thinks fit.

The Board of 23. (1) The Board of Management shall consist; namely:- **Management** (a) The Vice-Chancellor - Chairman;

- (b) The Pro Vice-Chancellor, if any;
- (c) One member nominated by the Chancellor;
- (d) Five members, nominated by the Institute of Management &

Technology Society, Roorkee;

(e) Two Professors of the University, by rotation as nominated by the Chancellor;

(f) Two Deans of the faculties, by rotation as nominated by the Chancellor;

(g) Principal Secretary/Secretary to the State Government of the Higher Education Department;

(h) The Registrar shall be non-member Secretary;

(2) The Board of Management shall be the Principal Managing body of the University.

(3) The powers and functions of the Board of Management shall be such as may be prescribed by the Statutes.

The Academic Council
Chairman.

24. (1) The Academic Council shall consist of :-

(a) the Vice-Chancellor -

(b) the Registrar - Secretary;

(c) such other members as may be prescribed in the Statutes.

(2) The Academic Council shall be the Principal Academic Body of the University and shall, subject to the provisions of this Act, the Rules and the Statutes, co-ordinate and exercise general supervision over the academic policies of the University.

(3) The powers and functions of the Academic Council shall be such as may be prescribed by the Statutes.

The Finance Committee

25. (1) The Finance Committee shall consist of, namely:-

(a) the Vice-Chancellor - Chairman;

(c) the Finance Officer - Secretary;

(c)

Principal Secretary/Secretary to the State Government of the Higher Education Department;

(d) such other members as may be prescribed In the Statutes.

(2) The Finance Committee shall be the principal financial body of the University to take care of financial matters and shall, subject to the provisions of this Act, Rules, Statutes, co-ordinate and exercise general supervision over the financial matters of the University.

(4) The powers and functions of the Finance Committee shall be such as may be prescribed by the Statutes.

Other the Authorities

26. The constitution, powers and functions of the other authorities of University shall be such as may be prescribed by the Statutes.

Proceedings
invalid **not invalidated**
in the **on account of**
vacancy

27. No act or proceeding of any authority of the University shall be merely by reason of the existence of any vacancy or defect constitution of the authority.

CHAPTER - V

Statutes and Rules

Statutes
any

28. Subject to the provisions of this Act, the Statutes may provide for matter relating to the University and staff, as follows:-

(a) transaction of business of the Authorities of the University and

- procedure of constitution of such units, which is not specified in this Act;
- and (b) the operation of the permanent endowment fund, the general fund the development fund;
- powers and (c) the terms and conditions of appointment of the Vice-Chancellor, Pro Vice-Chancellor, Registrar and the Finance Officer and their functions;
- (d) the mode of recruitment and the conditions of service of the other officers, teachers and employees of the University;
- (e) resolving disputes between the University and its officers, faculty members, employees and students;
- (f) creation, abolition or restructuring of departments and faculties;
- (g) the manner of co-operation with other Universities or institutions of higher learning;
- (h) conferment of honorary degrees;
- (i) grant of freeships and scholarships;
- (j) number of seats in different courses of studies and the procedure of admission of students to such courses including reservation of seats for permanent resident of Uttarakhand;
- (k) the fee chargeable from students for various courses of studies;
- (l) institution of fellowships, scholarships, studentships, freeships, medals and prizes;
- (m) creation and abolition of posts;
- (n) disciplinary action against students/ employee of the University;
- (o) other matters which may be prescribed and deemed necessary for framing of the Statutes.
- (p) appointment of the chancellor his power and functions;

Statutes how submitted to made three months without

29. (1) The first Statutes made by the Board of Governors shall be the State Government for its approval, which may, within from the date of receipt of the Statutes give its approval with or modification.
- (2) Where the State Government fails to take any decision with respect to the approval of the Statutes within the period specified under sub-section (1) it shall be deemed to have been approved by the State Government.

Power to amend the the Statutes

30. The Board of Governors may, with the prior approval of the State Government, make new or additional Statutes or amend or repeal existing Statutes.

Rules or an

31. Subject to the provisions of this Act, the Rules may provide for all of the following matters, namely:-
- (a) Admission of students to the University and their enrolment and continuance as such;
- (b) The courses of study to be laid down for all degrees and other academic distinctions of the University;
- (c) The award of degrees and other academic distinctions;
- (d) The conditions of the award of fellowships, scholarships, studentships, medals and prizes;

- (e) The conduct of examinations and the conditions and mode of appointment and duties of examining bodies, examiners, invigilators, tabulators and moderators;
- (f) The fee to be charged for admission to the examinations, degrees and other academic distinctions of the University;
- (g) The conditions of residence of the students at the University or a Constituent College;
- (h) Maintenance of discipline among the students of the University or a Constituent College;
- (i) The Fee and Deposits chargeable from students for various courses of studies;
- (j) All other matters as may be provided in the Statutes and rules under the Act.

Rules how made which its

- 32. (1)** The Rules shall be made by the Board of Governors and the rules so made shall be submitted to the State Government for its approval, may, within two months from the date of receipt of the rules, give approval with or without modifications.
- (2)** Where the State Government fails to take any decision with respect to the approval of the rules within the period specified under sub-section (1), it shall be deemed to have been approved by the State Government.

Power to amend Rules Rules.

- 33.** The Board of Governors may, with the approval of the State Government, make new or additional rules or amend or repeal the

CHAPTER-VI

Miscellaneous

Provisions for percent Permanent

- 34. (1)** For admission in various courses conducted by the University, 40 seats shall be reserved for the permanent residents of State of

Resident of Uttarakhand

Uttarakhand, and if the reserved seats are vacant, then the said vacant seats may be filled by the other candidates.

- (2)** For tuition fees fixed for various courses conducted by the University, 26 percent rebate shall be given to the permanent residents of the State of Uttarakhand who shall seek admission as per sub-clause (1) above.
- (3)** All posts of Group 'C' and 'D' employees shall be filled by the permanent residents of the State of Uttarakhand.

Conditions of shall Service of the employees

- 35. (1)** Every employee shall be appointed under a written contract, which be kept in the University and a copy of which shall be furnished to employee concerned.
- (2)** Disciplinary action against any employee shall be governed by procedure prescribed in the Statutes.

- (3) Any dispute arising out of the contract between the University and an employee shall, be resolved by the procedure prescribed by the relevant Statutes.
- (4) Notwithstanding anything contained in this Act, the employees of the University shall not be deemed to be public servant and would always remain as under the private employment of the University for the purpose of this Act or otherwise.

Right to appeal 36.
College,

Every employee or student of the University or of a Constituent Regional Centre, Study Centre and Career Academy Centres shall, notwithstanding anything contained in this Act, have a right to appeal within such time as may be prescribed, to the Board of Management against the decision of any officer or authority of the University or of the Principal of any such Constituent College, Regional Centre, Study Centre and Career Academy Centres, as the case may be, and there upon the Board of Management may confirm, modify or change the decision appealed against.

**Provident
Fund and
may
Pensions**

37. The University shall constitute for the benefit of its employees such provident or pension fund and provide such insurance scheme as it

deem fit in such manner and subject to such conditions as may be prescribed.

**Disputes as to
nominated
constitution of
other
University
Authorities
Chancellor,
and Bodies**

38. If any question arises as to whether any person has been duly or appointed as, or is entitled to be a member of any authority or body of the University, the matter shall be referred to the whose decision thereon shall be final.

Constitution of 39.
be
Committees
of

Any authorities of the University mentioned under section 20 will empowered to constitute a committee of such authority, consisting

such members and having such powers as the authority may deem fit.

Filling of
members,
Casual
same
Vacancies

40. Any casual vacancy among the members, other than ex-officio of any Authority or body of the University shall be filled in the manner in which the member whose vacancy is to be filled up, was chosen, and the person filling the vacancy shall be a member of such authority or body for the residue of the term for which the person whose place he/she fills would have been a member.

Protection of other action taken in good faith	41.	No suit or other legal proceedings shall lie against any officer or employee of the University for anything, which is done in good faith or intended to be done in pursuance of the provisions of this Act, the Statutes or the Rules.	
Transitional Provisions	42.	Notwithstanding anything contained in any other provisions of this Act and the Statutes: (a) The first Vice-Chancellor and Pro-Vice-Chancellor, if any shall be appointed by the Chancellor after due approval from the Board of Governors and the said officer shall hold office for a term of three years; (b) The first Registrar and the first Finance Officer shall be appointed by the Chancellor after due approval from the Board of Governors who shall hold office for a term of three years; (c) The first Board of Governors shall hold office for a term not exceeding three years; (d) The first Board of Management, the first Finance Committee and the first Academic Council shall be constituted by the Chancellor after due approval from the Board of Governors for a term of three years.	
Permanent Five Endowment Fund Bank pledged in five	43.	The University shall establish a permanent endowment fund of Rs. crore in the form of a Bank Guarantee of a Nationalized the name of State Government of Uttarakhand which tenure shall be years and after that shall be renewed for five years again.	
General Fund	44. (1)	The University shall establish a general fund to which the following amount shall be credited, namely:- (c) all fees which may be charged by the University; (d) all sums received from any other source; (c) all contributions made by the Promoting Society; (d) all contributions/donations made in this behalf by any other person or body, which are not prohibited by any law for the time being in force.	
	(2)	The funds credited to the general fund shall be applied to meet all the recurring expenditure of the University.	
Development Fund	45. (1)	The University shall also establish a development fund to which the following funds shall be credited, namely:- (a) development fees which may be charged from students; (b) all sums received from any other source for the purposes of the development of the University; (c) all contributions made by the Promoting Society; (d) all contributions/donations made in this behalf by any other person or body which are not prohibited by any law for the time	

being in

force;

(e) all incomes received from the permanent endowment fund.

(2) The funds credited to the development fund from time to time shall be utilized for the development of the University.

Maintenance of Fund
regulated

46. The funds established under sections 43, 44 and 45 shall, subject to general supervision and control of the Board of Governors, be and maintained in such manner as may be prescribed.

Annual Report
direction

47. (1) The annual report of the University shall be prepared under the of the Board of Management and shall be submitted to the Board of Governors for its approval.

(2) The Board of Governors shall consider the annual report in its meeting and may approve the same with or without modification.

(3) A copy of the annual report duly approved by the Board of Governors shall be sent to the Visitor and the State Government before 31 December following close of the financial year in 31 March each year.

Account and Audit
funds
all
maintained by

48. (1) The annual accounts and balance sheet of the University shall be prepared under the direction of the Board of Management and all accruing to or received by the University from whatever source and amount disbursed or paid shall be entered in the accounts the University.

(2) The annual accounts of the University shall be audited by an auditor, who is a member of the Institute of Chartered Accountants of India (I.C.A.I.), every year.

(3) A copy of the annual accounts and the Balance sheet together with the audit report shall be submitted to the Board of Governors well before 31 December following close of the financial year in 31 March each year.

(4) The annual accounts, the Balance sheet and the audit report shall be considered by the Board of Governors at its meeting and the Board of Governors shall forward the same to the Visitor and the State Government alongwith its observations thereon before the 31st December each year.

Mode of proof
resolution of University
documents in record

49. A copy of any receipt, application, notice, order, proceeding or of any authority or committee of the University or other

maintained by
prima

possession of University or any entry in any register duly the University, if certified by the Registrar, shall be received as

facie evidence of such receipt, application, notice, order, proceeding, resolution or document or the existence of entry in the register and shall be admitted as evidence of the matters and transaction therein recorded where the original thereof would, if produced, have been admissible in evidence.

Dissolution of University

50. (1) If Promoting Society proposes dissolution of the “Motherhood University” in accordance with the law governing its constitution or incorporation, it shall give at least three months notice in writing to State Government.

the

(2) On identification of mismanagement, mal-administration, in-discipline, failure in the accomplishment of the objects of University and economic hardships in the management systems of University, the State Government would issue directions to the management system of University, if the directions are not followed within such time as may be prescribed, the right to take decision for winding up of the University would vest in the State Government.

(3) The manner of winding up of the University would be such as may be prescribed by the State Government in this behalf :

Provided that no such action will be initiated without affording a reasonable opportunity to show cause to the Promoting Society;

(6) On receipt of the notice referred to in sub-section (1), the State Government shall, in consultation with University Grant Commission, make such arrangements for administration of the University from the proposed date of dissolution of the “Motherhood University” and until the last batch of students in regular courses of studies of the University complete their courses of studies in such manner as may be prescribed by the Statutes.

(7) On the dissolution of the University, all the assets and liabilities of the University shall vest in the Promoting Society.

Expenditure of University during dissolution fund.

51. (1) The expenditure for administration of the University during the dissolution of the University under section 50 shall be met out of permanent endowment fund, the general fund or the development

(3) If the funds referred to in sub-section (1) are not sufficient to meet the expenditure of the University during the dissolution of the University, such expenditure may be met by disposing of the properties or assets of the University.

Removal of Difficulties provisions,

52. (1) If any difficulty arises in giving effect to the provisions of this Act, the State Government may, by a notification or order, make such not inconsistent with the provisions of this Act, as appear to it to be necessary or expedient, for removing the difficulty:

shall
Provided that no notification order under sub-section (1) be made after the expiration of a period of three years from the commencement of this Act.

(2) Every order made under sub-section (1) shall, as soon as may be after it is made, be laid before the State legislature.
