

**MLIS-6**

**सूचना के स्रोत, तंत्र एवं कार्यक्रम  
(Information Sources, Systems and Program's)**

**Madhya Pradesh Bhoj(Open) University, Bhopal**

**(Cover Page)**

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(Information Sources, Systems and Program's)**

**विषय सूची**

**खंड-1**

- इकाई-1 मल्टीमीडिया  
इकाई-2 सूचना के स्रोत, तंत्र एवं कार्यक्रम

**(First Page)**

**MLIS-6**  
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(Information Sources, Systems and Program's)

2008

सर्वाधिकार, म०प्र०भोज मुक्त वि०वि, कोलार रोड, चूना भट्टी, भोपाल

**पाठ्यसामग्री निर्माण**

संपादक डा० संजीव सराफ, डिप्टी लाइब्रेरियन, काशी हिन्दू वि०वि०, वाराणसी

इकाई लेखक विवेकानंद जैन, काशी हिन्दू वि०वि०, वाराणसी

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## **bdlbz-1 eYVhefM;k (Multimedia)**

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### **1.0 fo"k; i Dsk (Introduction)**

### **1.1 mnns; (Objectives)**

### **1.2 I puk dsMrd ek/e (Physical Media of Information)**

### **1.3 efnr ek/e] eYVhefM;k gbi jefM;k ,oagk; ijVBLV (Print Media, Multimedia, Hypermedia and Hypertext)**

#### **1.3.1 efnr ek/e (Print Media)**

#### **1.3.2 eYVhefM;k (Multimedia)**

#### **1.3.3 gbi jefM;k ,oagk; ijVBLV (Hypermedia and Hypertext )**

### **1.4 vefnr ek/e (Non-print Media)**

#### **1.4.1 ebOkel (Microform)**

#### **1.4.2 byDVfud ek/e (Electronic Media)**

#### **1.4.3 vMIVdy ek/e (Optical Media)**

### **1.5 I kjak (Let Us Sum Up)**

### **1.6 Lo&tlp vH;kI (Self-check Exercise)**

## 1.0 fo"k; i dsk (Introduction)

i ysk ds ek/; e l sfopkjka dh vfhko; fDr gsrh gA i ysk dxxt , oavll; ek/; eka dk og vfhky[ k gsft l ds }kj fopkjka dk l yHk l pkyu LFkkurj .k vks i jh{k.k l lko gsl dk gA i ysk dh fo"k; oLrq ds }kj i ysk eafufgr l puk dh tkudkj h i ltr gsrh gA i ysk ogn Lo#i ea Hkh gsl drk gs ts si qrd] 'kksk iczk] y?kq 'kksk iczU/k] ifronu bR; kfn vFkok y?kq Lo#i ea ts sif=dk eafufgr dkbz yskA l puk ; q ea eYVhefM; k , d Økardkj h ifjorü gs tks l Ei wZ thou 'ksh dks i Hkfor dj jgk gA l puk mi yfC/k] f'k{k.k vks i jLi fjd fØ; k ds rjhdk ea ifjorü ds QyLo: i xBFky; ea eYVhefM; k dh i kFfed vko'; drk vutko dh tkusy xh gA

## 1.1 mnas; (Objectives)

bl bdkbz ds v/; ; u ds i'pkr i yskh; l ksrks dsefnr , oavefnr ek/; e vks mudh fo'kkrkvka l s HkyHkfr ifjpr gsl dsa orzku l e; ea xfk l ekpj i =ka vks i f=dkvka dh mRj tlfork vks vefnr ek/; e ds vk/kjud xFky; ka , oa l puk dlnka ds mi ; l sx dks l e> l dsa ; g Hkh l e> l dsa fd D; k byDVkfud ek/; e efnr dxth ek/; e dk LFku xg.k dj l dsa eYVhefM; k] gk; i jehfM; k] gk; ij VDLV dh vo/kkj .kk dks Hkh l e>ua ea i jaxr gsl l dsa bl ds vrfjDr fofHku vefnr ek/; eka ds l puk l xg.k] i jh{k.k] i qz kflr] l pj , oa LFkkurj .k yHk rFk glfu; ka l s Hkh ifjpr gsl dsa

## 1.2 l puk ds Hrd ek/; e (Physical Media of Information)

vkfndky ea l pukvka dk vknku&inku eS[kd #i eafd; k tkrk FkA fyfi ds fodkl ds l kFk ekuo us i Rrka vks o{kadh Nkyka vks i 'kq/kadh [kkyka dsek/; e l s0; fDr vi uh l pukvka vks l ns kka dks 0; Dr djrk FkA eut; vi us l ns k ds fy, ek/; e ds #i ea i RFkj ka dk mi ; l sx djrk FkA ; g i fØ; k , d yecl e; rd pyhA /kkq/ka ds Kku ds l kFk eut; us /kkq/ka dk mi ; l sx l ns k l äk.k ds fy, iz l sx fd; ka tsu&ck) dky ea gekjs ns k ea tgh i k'k.k l ns kka dh i jEijk feyrh gSogh Hkst i =kq o{kadh Nkyka bR; kfn ij gLrfyf[kr xFk , oa l nkn vkt Hkh feyrsgA l ekV v'kkad us vi us l ns kka dks f'kyky[kka LrEHk ysk dsa ek/; e l s vi us

'kkl u dky ea il kfjr djok; k FkA tS &tS sekuo fodkl gkrk x; k l i k.k ds HkKrd ek/  
; e Hkh cnysr x; A

**feVVh ds Qyd&** ys[ku l kexh ds fodkl Øe dh n<sup>o</sup>V l s feVVh dk gh l oã Eke  
mi ; lxx ekuo us fd; kA feVVh plãl kj] xly , oa foHklu vkdfr; ka okyh ^fp=&fyfi\*\* dh  
fVfd; k; a ijkrkRrod [kkstka l s ikr dh xbz gã tks fd fo'o ds egku&l azgky; ka ea vkt Hkh  
l jf{kr gã ^xhyh feVVh ds Qydk a ij uphyh dye l sbl fyfi ds l ãr mdjs tkr s Fka vkj  
ckn ea bu Qydk dks l qk; k tkrk FkA

**Hkst i= &** Hkst &i=ka dks ys[ku l kexh ds : i ea mi ; lxx djus dk ipyu ofnd  
l H; rk dh i e[ k fo'kkrk jgh gã bu Hkst &i=ka ij fo'kkrk izdkj dh L; kgh dk mi ; lxx dj on]  
\_\_pkvkã ykãka o ea=ka dh Hk'kk fy[kh tkrh FkA ofnd ; qe ea pãd Hkst i=ka dh cgyrk ik; h  
xbz vr%bl l s l qe rjhdk vkj dkbz nu jk ughagk l drk FkA Hkjr dsfgeky; dh rjkbz l s  
Hkst Z uked o{k cgrk; r ea ik; s tkrsgã Hkst i=ka = bl h o{k dh Nky l sr\$ kj fd; s tkr s Fka djhc  
, d ehVj yEch Nky dks dK/dj bl sr\$ yxkdj 'ka{k vkfn l s [koc ?kks/k tkrk gã tc Hkst Z  
i= fpduk gks tkrk rk\$ ys[kd l qo/kkuq kj bl s dKv yrs FkA Hkst Z i= ds chp ea Nn cukdj  
Mkj h Mkyus ds fy, txg NkM nh tkrh FkA dbz i=ka ds chp ea Mkj h Mkydj Åij&uhps  
ydMh dh rf[r; k; tkm+nus l s Hkst Z i=ka dh i qrd r\$ kj gks tkrh FkA

**rM+i=&** eB i qrdky; ka ea l azghr ik. Mfyfi ; ka dks gkFk l s fy[kk tkrk Fk ; k fQj  
ykg s dh 'kykd l srM+i=ka ij v{kj djn s tkr s Fka djn us dh i Fk nf{k.k Hkjr ea ipfyr  
FkA v{kj ka dks djn us ds ckn bl dkty dk purkz QSyk fn; k tkrk Fk] bl izdkj rM+i= ij  
dkys v{kj cu tkr s FkA

**f'kyky{k ¼ RFkj }&** Hkst i=ka , oa rM+i=ka dh glrfyf[kr i k. Mfyfi ; ka ds nh?kzdky  
rd u jg i kus ds dkj .k budk pyu l ektr l k gkus yxk rc vf/kd yEcs l e; rd ys[k] nku  
i= , oa iz kflr; ka dks fy[kus grqf'kyky{k ka dk ipyu c<ka i RFkj ka dks Pkãl kj dK/dj mu ij  
Nuh ds }kj k vi us fopkj ka dks fyfi ds ek/; e l s fy[krs FkA

**ylkj rkl ihy , oa l kã plqh &** vk; ka ds vkxeu ds ckn mudk l Ei dz if'pe  
, f'k; k ds ns kã l s gq/ka 0; ki j , oa/keZ ds i pkj grqvk; kã usnj njkt ds jkT; ka l svi us l Ei dz  
LFkfi r fd; A ; gk rd gqk fd ml gkus vi uh ?kã urwi d fUk; ka dks R; kxdj jkt?kj kuka l k thou

0; rhr djus dk l dYi i wZ fd; kA dF"k deZ ea ykgs ds vkt kj ka rFkk jkt deZ ea fyfi dh vko'; drk dks nS[krs gq ykgs dh vko'; drk egl u dh xbA

**ikpEhV vFkok pe&i =** & ; g , d izkj ds tkuojka dh [kky gkrh Fkh ftu ij yS[k fy[kstkrFkA ^tkuojka dh [kky dks l kQ djdsml sdW/dj rFkk f?kl dj iryk o fpduk dj fy; k tkrk Fkk rFkk fy[kus ds dke vkrk FkA

**osye** & ftl izkj m |kska ds fy, dPps eky dh vko'; drk gkrh gS ml h izkj yS[ku ds fy; s tkuojka dh [kky ; yki & okfl ; ka ds fy; s dPpk eky FkA tkuoj gh bu ykxka dh i pth FkA cMs tkuojka dh [kky l sekh h i qrdka dk fuelZ k gkrk Fkk vSj mBkus j [kus ea dfBukbz gkrh Fkh vr%bu ykxksus tkuojka ds Nks/scNMka ds uje peMs dks mi ; kx 'kq fd; k bl s gh osye dgk tkrk FkA ; g ikpEhV l s vf/kd fodfl r rjhdk FkA

**dkxt** (Paper)%

dkxt l puk dk l cl sipfyr ek/; e gS dkxt dk uke iki ; j l (Papyrus) l si Mk tkfd 105 , Mh ea phu eadkbz yu (Cai Lun) ds }kj k [kstk x; k FkA ml us yqnh rFkk [kk | eny dh l kefxz ka dh /kTt ; ka dks i kuh vSj xkan ds ?kky eafeykdj eNyh idMusokyh tkyh ds Aj fcNkdj i sj dksr\$ kj fd; kA l v[kus ds i'pkr ; g , d nlf?kZdkfyd i sj cu tkrk FkA i kphu Hkjr ea cka ds i Rr\$ l k ip uked i M+dh Nky vSj #bz l scus dkxt ij yS[ku fd; k tkrk FkA bfrgkl ea mYyS[k feyrk gS fd #bz l s dkxt cukus dh i Fkk fl dnj ds Hkjr vkde.k ds l e; l sipfyr FkA vl e eabZ k ds tle ds pkj l k l ky igys l s dkxt cukus dk dke i p f yr FkA bl ds vykok dPps cka ds i Rrka vSj ekVij cu ( , d rjg dh ?kl ) ds i Rrs tS s , d izkj ds i kSks ds yEcs vSj pkMs i Rrka ij Hkh dbZ rjg dh i qrdafy [kh tkrh FkA xfk fy[kus ds fy, dye] L; kgh dk ik= vSj uki us rFkk ydhj [khp us ds fy, i Vjh dh tjr i Mfh FkA iryh cka ] <fd; k uked , d izkj ds Nks/s i kSks ; k l j dMs l s dye cukbz tkrh FkA

**dkxt dk fuelZk** (Manufacture of Paper)

**dkxt fuelZk dh ifd;k** & ydMh] vkq ] di Mk] fpUnh] xllus dks fNydk] gkbi kS l ; k , oads ds i M+vkfn l sftueal Y; ykst dh vf/kdrk ik; h tkrh gS dkxt cukuseami ; kx gkrk gA mijka dPph l kexh l s dkxt cukrs l e; fuEukdr fØ; k; a l Eilu dh tkrh gA

1. I oī Eke ydMh ; k ckj ds Nks&Nks/s VpM- djds mlga ihl Mkyuk vlg  
I ko/kkuhi mōd /kks ysuka
2. dVs gq VpMks dks ckjhd djds mudks dklLVd vFkok I kMk I YQkbV ds I kFk  
8 I s 12 ?k. Vka rd nckdj mkyuk i Mrk gš yxMh dh dPph I kexh dks  
mkyus ea ydMh ea fo | eku fyXyhu uked inkFks vki kuh I sfudy tkrk gš  
vlg 'kq) I y; wkst ; ē yānh cp tkrh gā yānh dks jkl k; fud ?kys ea Mkyrs  
gsftl I s jskk rš kj glrk gā

dkxt cukus eamI ds dPps eky dks e[; pkj fof/k; ka I sfudyuk glrk gā

1. dPps eky dks dM/dj v) & yānh cukukA
2. v) & yānh ea I s yānh cukukA
3. yānh I s dkxt cukus dh fof/ka
4. , d s dkxt dk fQuf'kak] dysMfjā] I kbftx vlg dksVx djuka

### 1.3 efnr ek/; e] eVhefM; k gkbi jefM; k , oagk; ij VDLV

(Print Media, Multimedia and Hypertext)

#### 1.1.1 efnr ek/; e (Print Media)

ek/; e dk rkri ; Zfdl h i Fk ; k ekxh'kd vFkok , d s I k/kuka I s gsftudh I gk; rk I s  
fopkjka dk I Ei k.k fd; k tk; A fyf[kr Lo: i eafopkjka ds LFkkurj.k grqdkxt vlg dye  
, d k I 'kDr ek/; e gsftl ds }kjk I fn; ka I sf'k{k ds fopkjka dk I ag.k vlg LFkkurj.k gksjgk  
gā e'khuhdj.k ds vk/kfud ; q ea dEl; wj vlg ohfM; ka ts s uohu ek/; eka dh vko' ; drk  
mi ; ksdrika vlg I puk 0; ol kf; ; ka }kjk yxrkj vutko dh tk jgh gā I puk vf/kdkjh ds  
: i ea xbfky; h ds fy, Hkh bu uohu ek/; eka dk v/; ; u vlg mi ; kx egROI wZ gā ekuo  
I H; rk ds fodkl ea epzk dk vhr i oZ ; kknku gā Kku ds i pkj vlg i d kj ea efnr ek/; e  
vR; Ur mi ; ksch fl ) gqk gā efnr ek/; e ea dkxt ij L; kgh I s 'kcn fy[ks tkrsgā

efnr ek/; e dk I cl sipfyr Lo#i i qrd gsftl s orZeku mi ; kx ds I kFk&I kFk  
Hkfo"; ds fy, Hkh I aghr fd; k tk I drk gā efnr ek/; e ds QyLo#i gh Kku dh



cgjfrfyfi l gyHkrki wZl fufeŕ gksyxh rFkk Kku dk mi ; kx tks i wZl ea jktkvka egkjktkvka  
rd gh l hfer Fkk vkt vke vkneh Hkh mi ; kx dj jgk gA

### **efnr ek/;e ds?Wd** (Component of Print Media)

efnr ek/;e dk ikphure vjŕ l okZ/kd ipfyr Lo#i i qrd gh gSfdUrql kelftd  
vko' ; drkvka ds vuq kj vjŕ Kku ds mi ; kx dh egrrk ds vk/kkj ij efnr ek/;e dks  
fuEufyf[kr ?kVdka ea Jskhc) fd; k tk l drk gA

1. i qrd
2. l kef; d izk'ku
3. l ekpkj&i=] xsfyVj]p] y?kq f=dk bR; kfnA

### **i qrd** (Books)

fdl h Hkh fyf[kr efnr folrkfjr l a kstu dks i qrd dgk tk l drk gA i qrd 'kcn dk  
vR; Ur 0; ki d vFkZ gA i qrd ea l Hkh izkj dh i kB; l kexh ftl ds }kjk l keW; v/; ; u]  
eukj at u' kksk v/; ; u vFkok ij ke'kZ l Ecu/kh vko' ; drk, i wkZ gksh gk dks j [kk tk l drk gA  
l k/kj; k] i qrd dk rRi ; ZfujUrj 0; k[; k l sgA okD; ka l svuqNn vjŕ vuqNnka l sv/; k;  
cursgA ; sl eLr v/; k; fey dj , d gh fopkj dh fujUrj 0; k[; k dj rsgA i qrd ea l keW; r%  
fuEufyf[kr fo'kSkrrk, i gksh gA

1. i qrd ea folrŕ l puk, i klr gksh gS, oabudk fuekZk rHkh fd; k tkrk gS tc vuud  
mi ; kx drkZ/ka dks folrŕ l puk dh vko' ; drk gkA
2. bueanh xbZ l puk, i fuf'pr gksh gS rFkk l pukvka ea dN l qkkj i fjorZu uohu l d dj .k  
izkf'kr gks i j gh fd; k tk l drk gA
3. i qrd ea fufgr l puk, i /kheh izk'ku xfr ds QyLo: i i j kuh gksh gA
4. i qrd s l gyHkrki wZl mi ; kx dh tk l drh gA blga vkl kuhi wZl , d LFku l snh js  
LFku rd ys tk; k tk l drk gA blga i <us ds fy, fdl h l a kst d vFkok mi dj .k dh  
vko' ; drk ughagksh rFkk byDVNud Msk l sl puk i klr djus dh rnyuk ea i qrd a de  
egaxh l kfc r gksh gA dEl; Wj Ldhu l sv/; ; u dh rnyuk ea Hkh i qrd a v/; kd eukj at d  
fl ) gksh gA

## **I ekpj&i=** (News papers)

uohu I p̄ukvka dh i k̄l̄r gr̄q I ekpj&i = vR; Ur egROI w̄kZ ef̄nr I k̄/ku ḡA buds }k̄j k fof̄Hku {k̄=ka ea py jgh xrf̄of/k; ka dh I k̄ef; d I p̄uk i k̄l̄r gk̄rh ḡA I ekpj&i =ka ds ek/; e I sn̄sk fons̄k dh i ǣ[̄k ?k̄vukvka dh fu; fer tkudkj̄h rFk̄ I e; vk̄j̄ foLrkj I si k̄l̄r gk̄s tkrh ḡA

## **iB; &i q̄rds**(Text Books)

iB; i q̄rdka ea fo"̄k; oLrqdks vR; Ur I jy <æ I si Lrq̄ fd; k tkrk ḡA iB; i q̄rd dk fuekz̄k djrs I e; I Ec̄fU/kr Lrj ds i k̄Bdka fo | k̄fFk; ka ds ck̄s) d Lrj ds vuq i gh fo"̄k; dh 0; k[̄; k dh tkrh ḡA vko'; drkuq̄ kj fof̄Hku I kjf.k; k̄p̄ fof/k; k̄p̄ fp=ka vk̄j̄ mnkgj̄. kka dh I gk; rk I sh̄kh fo"̄k; oLrqdks #fpi w̄kZ cuk; k tkrk ḡA iB; i q̄rd v/; ; u , oa v/; ki u dk; Z vR; Ur egROI w̄kZ ef̄nr I k̄/ku ḡA fdi h Hkh fo"̄k; ds fof̄Hku i ḡȳp̄ka I sh̄ka ȳh̄k̄k̄r̄ i fj̄p̄r djokus gr̄q iB; i q̄rd vPNk ek/; e gk̄rh ḡA

## **I k̄ef; d i z̄k'ku** (Serial Publications)

vk̄/k̄p̄d ; ǣ ea uohu I p̄ukvka dh Rofj̄r mi yf̄C/k gr̄q rFk̄k vuq̄ ǣku ea i q̄j̄k̄b̄f̄r̄r̄ i j fu; ǣ.k gr̄q vuq̄d i f=dk, j̄ 'k̄k̄k̄ i f=dk, j̄ I Eesyu dk; Zkfg; ka ef̄nr Lo#i ea fuf'pr vof/k ea I [̄; k̄Red Øe ea i z̄k'kr gk̄s jgs ḡA I k̄ef; d i z̄k'kuka ea ȳ[̄k Lo#i ea uohure I p̄uk; a i z̄k'kr dh tkrh ḡA vko'; drkuq̄ kj I k̄ef; d i z̄k'kuka dk i z̄k'ku I k̄l̄rkfgd] i k̄f{kd] v/k̄k̄f̄l d] ek̄f̄l d] v/k̄Z ok̄f"̄k̄Z] ok̄f"̄k̄Z vk̄/k̄j̄ ij fd; k tkrk ḡA

### 1.3.2 eYVhefM;k (Multimedia)

eYVhefM;k I p̄uk ds I p̄kj̄ ds {k̄= ea , d uohure in ḡA t̄s̄ k̄ fd bl ds uke I s fof̄nr gk̄rk ḡS eYVh ; kuh cgr̄ I }̄ ehfM;k vFk̄k̄r-ek/; eA vkt̄dy dh; Wj̄ ds }k̄j̄k̄ I p̄uk dk I ā̄k̄.k vFk̄k̄ i q̄z̄ k̄l̄r djuseami ; k̄s̄drk̄z̄vka dks vuq̄d ek/; eka dh I gk; rk yuh i M̄rh ḡSvr% vuq̄d ek/; eka dk mi ; k̄s̄ djrs gq̄ dh; Wj̄ ds }k̄j̄k̄ mi ; k̄s̄drk̄z̄ dks I p̄uk dk I ā̄k̄.k vFk̄k̄ i q̄z̄ k̄l̄r djuk gh eYVhefM;k dgykrk ḡA I p̄uk dks inku djus ds fy; s̄tc , d I svf/kd ek/; eka dk mi ; k̄s̄ fd; k tkrk ḡS rc ge ml̄ seYVhefM;k dgrs ḡA eYVhefM;k in̄ eȳi k̄B %Text% j̄[̄ k̄f̄p̄=h; fu: i .k %Graphic% /ofu %k̄okt̄½ , oe~ohfM; ka vFk̄k̄ buea I s̄fdl̄gh nks ; k̄ nks I svf/kd ds eȳ dks in̄f̄ k̄r̄ djus gr̄q mi ; k̄s̄ fd; k tkrk ḡA mi ; k̄s̄drk̄z̄ dh n̄V I s

dh; Wj iz kky; ka ds l nHkZ ea eYVhefM; k dk vFkz l puk l s l cfi/kr fuosk ¼/FkZr eyi kB] Hkk" k.k] Hkko ; k l dsr vkfn½ rFk fuxr ¼Output½ ¼eyi kB] j[ kfp=h; fu: i .k] ohfM; ka vkfn½ dk , d gh ckj ea , d l kFk mi ; kx ea yk; h xbZ l d; ; k l s gkrk gA bl izdkj ge dg l drs gAfd eYVhefM; k dk vk'k; Mv/kvka dks inf'kZr djus grq fofHku ek/; eka ea l ello; LFkfi r djus l s gkrk gSed; r; k i l Zy dh; Wj eYVhefM; k ds mi ; kx dks tul k/kj .k ea i kRl kgu inku dj jgs gA fdl h Hkh eYVhefM; k iz kkyh ea i ed[ k 3 rRo gksr gA eYVhefM; k gkMbs j] vki j sVx fl Lve , oe- xkfQDI ; ut l Z b.VjQd rFk eYVhefM; k l kM] Vos jA

eYVhefM; k dsegRo i wkz mi ; k s r k ds dkj .k ml dk vuq z kx f' k{kk , oe- n j LFk f' k{kk} xFky; , oe- l puk dhn] Vhoh , oe- l ekpj] fQYe m | kx] fpdfRI k foKku] b&dke l ] vkM; ka , oe- ohfM; k s d k QDI x] vuq dku , oe- fodkl eafd; k tk jgk gA bl izdkj ge n[ krs gAfd eYVhefM; k us l pkj ds {k= ea Økfu r i s k dj nh gA

eYVhefM; k eavud ek/; eka ds }kj l puk dk vknku inku fd; k tkrk gA eYVhefM; k , d h rduhd gSft l dk mi ; kx i qrdky; ka ea i k B dka dks nh tkusokyh l nHkZ l dk l puk l dk ; ut l Z vkfj ; v/ sku i kxke ea i Hkko h rjhd s l sf d; k tk l drk gA eYVhefM; k rduhd }kj i qrdky; ds fofHku foHkxka dh l fp= tkudkj h vkl kuh l s inku dh tk l drh gA i k B dka dks eYVhefM; k rduhd }kj i qrdky; dk Hke .k ¼ykbz h opjy Vj½ dj k; k tk l drk gA

l puk dks inku djus ds fy; sek/; e dh vko' ; drk gksr h gA ; fn fl QZfd l h , d ek/ ; e dk mi ; kx fd; k tkrk gSrc ge ml s ; uhefM; e i Lrfr dgrs gA mnkgj .k ds fy; s d kbZ i qrd ft l ea fl QZ VDI V dk mi ; kx gksfcuk fdl h fp= dA yfdu tc l puk inku djus ds fy; s , d l svf/kd ek/; eka ; kfu VDI V] xkfQDI ] l km.M dk iz kx fd; k tkrk gSrc ge ml seYVhefM; k i Lrfr dgrs gA mnkgj .k ds fy; s d kbZ i qrd ft l ea VDI V , oa xkfQDI dk mi ; kx gks rc og i qrd Hkh eYVhefM; k ds varxZ vk; xhA Vsyh fotu , d eYVhefM; k fl Lve gSft l ea vkfM; k s rFk ohfM; k s ehfM; k dk iz kx gkrk gA

eYVhefM; k dEl; Wj fl Lve ea l puk ds l xg o vknku& inku grq fuEu ehfM; k dk mi ; kx fd; k tkrk gA

1. VDLV ¼YQk U; wsfjd djDVI ½
2. xkfQDI ¼ykbZ Mkbx l , oa best d ½

3. , fues ku 1efioax best d 1/2
4. vkfM; ks 1/4 km. M1/2
5. ohfM; ks 1/2j; y ykbQ bbb1 1/2

mi ; p r ehfM; eka dk mi ; ks dj ds i qrdky; ka ea l p uk l ok i Hkkoh rjh ds l s inku dh tk l drh gS bl fy, i qrdky; , oa l p uk foKku ds Nk=ka dk seYVhehfM; k dh tkudkj h gksuk vko'; d gA eYVhehfM; k dk mi ; ks i qrdky; ka ds vykok jYos LVs kuj Ldny] E; fit; e vkfn ea l kekl; l p uk l ok inku dj usea Hkh fd; k tk l drk gA

**eYVhehfM; k rduhdh (Multimedia Technique)**

eYVhehfM; k }kj k l gyHk vls i Hkkoi wkZ l p uk ds l pkj gsrq fofo'kV rduhdka dh vko'; drk gsrh gA eYVhehfM; k ea pkj egRo i wkZ rRoka dk gksuk vko'; d gA

- 1- fo'kky ek=k ea Lefr (Memory) l xg.k {kerk
- 2- fo'kky l p uk l xg dh i qul kflr (Retrieval)
- 3- fuxE vls i n'ku bruk l {ke gksfd fdl h Hkh mi ; ks dsfy, mfpr ekudka ds vu#i /ofu , oa ohfM; ks dk gLrk arj .k gks l dA
- 4- l p uk ds fo'kky l xg ea l smi ; ks drkZ vki kuh l s oka Nr l p uk [kkt l dA

**eYVhehfM; k dh vko'; drk (Need of Multimedia)**

eYVhehfM; k dk mnas ; l p uk vka dks cgrj i Lr rhdj .k vls mi yC/k gA eYVhehfM; k }kj k fofoHku mi ; ks drkZ/ka dh fofo/k vko'; drk vka dh i firZ gsrq fofo/k xqkkRed l p uk, i mi yC/k djokbZ tkrh gA l p uk foLQkV ds vk/kfud ; q ea mfpr Mv/k p; u vR; Ur tVY dk; Z gA i Hkkoi wkZ l pkj Hkh mi ; ks drkZ ds cks) d Lrj ij fullkj djrk gA eYVhehfM; k dh l gk; rk l s mfpr mi ; ks drkZ dks mfpr l p uk ; Fkk l e; vls i Hkkoh <x l s inku dh tk l drh gA eYVhehfM; k dh vko'; drk vucl {ks=ka ea gA eYVhehfM; k dh l gk; rk l smi ; ks drkZ dks dHkh Hkh] dgha Hkh] fdl h Hkh izdkj dh byDVkfud l p uk mi yC/k gks l drh gA l kekl; r% eYVhehfM; k dk iz, ks 0; ki kj] fo | ky; k] egkfo | ky; k] ?kj k] l koZtfud LFkyk] [ksy vls eulj atu gsrqfd; k tkrk gA

eYVhefM; k dk iz, sxx djus okys 0; ki kfjd {ks=ka ea foi .ku} foKki u] i Lrphdj .k] if'k{k.k.k] mRi knka dk in'kzu] Mv/kcd ] l ph] us/odZl p[kj] /ofu Mkd (Voice mail) vks] dkiQjbl i ed[k gA

?kjaeaoi- l h- vkj- vks] Vsyfotu ds: i eaeYVhefM; k dk mi ; sxx gkrk gA fo | ky; ka vks] egkfo | ky; ka ea eYVhefM; k dh l gk; rk l s i kjEifjd f'k{k.k i) fr ea ifjorzu gpxk gA iz, sxx'kkyk ea Nk= eYVhefM; k dh l gk; rk l s iz, sxx dj l drs gA

l koZtfud LFkyka t\$ sgk/y] jsyosLVs ku] cl LVSM] cktkj] l xgky; vkfn LFkkuka i j eYVhefM; k }kjk pksihl ?k.Vka turk dks rFkk i; Vdka dks l puk inku dh tkrh gA f[kykmh i f'k{k.k ea Hkh eYVhefM; k l gk; d gA eYVhefM; k ds }kjk f[kykmh; ka ds l Hkh i kjEifjd fof/k; k fl [kkbz tk l drh gA eYVhefM; k }kjk fofHku epka dk voykdu dj vko'; d l ko/ kfu; ka dk Kku Hkh iklr fd; k tk l drk gA

eYVhefM; k eukjat u dk , d l 'kDr l k/ku gA bl dk mi ; sxx jfM; k\$ Vi fjdkMj }kjk l ekpj l xhr l puusgrqvFkok l ekpj&i= ds: i ea blVjuv dsek/; e l suohu ?kVukvadh tkudkj h iklr djusgrq; k Vsyfotu ds: i eafd; k tk l drk gA bl ds }kjk gj [kyka dks ns[kus rFkk [kyus dk vkulln Hkh iklr dj l drs gA dkViu fQYea Hkh ns[kh tk l drh gA

orZku l e; ea xbfkky; eami; Dr vad: fir l puk dh ekx Hkh mi ; sxxdrkz/ka }kjk dh tkusykh gA l UnHkz l kr t\$ sfo'odksk vkfn Hkh eYVhefM; k ij mi yC/k gA n'; ] J0; ] i kB; ka k , uhesku vks] xbfQd ds, dhdj .k l seYVhefM; k }kjk l puk dk Li"V fp=.k i Lrph fd; k tkrk gA eYVhefM; k }kjk mi yC/k l puk l krka vks] l puk l okvka dks tkudkj h] l puk dh [kkst ea l ph dk iz, sxx] fuxE&vixe if0; k] oxhZdj .k i) fr] xbfkky; ds fu; eka l s l Ec6/kr tkudkj h Hkh inku dh tk l drh gA i R; {k : i l s xbfkky; u tkdj Hkh eYVhefM; k dh l gk; rk l s l puk iklr dh tk l drh gA

### 1.3.3 **gkbZ j ehfM; k , oagkbZ j VDLV** (Hyper Media and Hyper text)

l kekl; r%gkbZ j ehfM; k dk iz, sxx vf/kd vuq kr ea xbfQd vks] fcEcka okyh l pukvka grqfd; k tkrk gA gkbZ j ehfM; k dk iz, sxx l nD mu l pukvka ds fy, fd; k tkrk gsftuea ohfM; ka vu0eka vFkok , uhesku dk l ekosk gka

gkbā j VDLV dk rkrī ; Z i k B ; i j d l p u k v k a l s g ā b l e a l p u k v k a d k i l r f r d j . k  
v u o e e a g h i < t k r h g s f d l r q g k b ā j V D L V } k j k i k B d k a d k s l p u k i F k l p k f y r d j u s d h  
L o r l = r k i n k u d h t k r h g ā g k b ā j V D L V d h l Q y r k y s [ k d d s J e l k / ; v f H k d Y i v k s i k B d k a  
d h v u q k k f l r J s k h i j f u H k j d j r h g s v F k k z - y [ k d } k j k l p u k d s l E c f u / k r v ā k k a d k s b l i z d k j  
J s k h c ) f d ; k t k r k g s f d i k B d L o B N k l s o k ā N r d M h d k p ; u d j y s r k g ā v f r f j D r  
l p u k v k a d h i k f l r g r q H k h i k B d k a d k s m l h i z d k j f u n t ' k r f d ; k t k l d r k g s f t l i z d k j d k x t h  
i k B ; k ā k e a o k n & f V i . k h v k s i k f j H k k f " k r ' k n k o y h d s } k j k f d ; k t k r k g ā b l d s v f r f j D r  
l E c f u / k r l p u k v k a d s f y , l h / k h d M h H k h i n k u d h t k l d r h g ā y s [ k d } k j k i ; k l r d f M + k j  
i n k u u d j u s i j i k B d l p u k m i y f c / k v k s m i ; k x e a i f r c l / k v u t k o d j r s g ā n i j h v k s  
v R ; k f / k d d f M + k j i n k u d j u s i j i k B d d f M + k j d h H k o y & H k o y \$ k e a g h H k V d t k r s g ā

; | f i g k b ā j V D I V i k s | k s x d h , d u o h u / k j . k k g s y s d u v k t l s y x H k x 5 n ' k d i g y s  
1945 e a o k u o u c q k ½ a n n e v a n B u s h ½ } k j k b l i j f o p k j f d ; k x ; k F k v k s l H k h i z d k j d h  
l p u k d k s l x g . k d j u s d h , d f o f / k d s : i e a b l d h d Y i u k d h F k h A

g k ; i j V D I V o r z e k u v k u y k b u i p i k z l r i z k k y h l s f H k u g k s h g s r F k k b l e a v k s p k f j d ]  
0 ; f D r x r r F k k f o " k ; & o L r t e d [ k [ k k s t f o f / k ; k a d k s i k B l k g u i n k u f d ; k t k r k g s r F k k b l e a d k b z  
H k h m i ; k s d r k z i p u ā k f l r k i f Ø ; k d s l e ; l a n H k z u k / d j d s e n y i k B ; k i f r f c E c k a ½ i m a g e s ½ d k s  
t k M e j ; k L F k k u k u r f j r d j d s l p u k d k m i ; k x d j l d r k g ā b l f o f / k } k j k , d , d h  
; k f u = d h m i y c / k d j k b z x b z g s f t l l s l p u k d s l E i w k z l a d y u r F k e n y i k B ] v a d h ; , o e - n ' ;  
½ v i s u a l ½ M v / k c d k s d h f o ' k k y e k = k e a l s r o f j r i p i k z l r g r q e k u o t k s v u d d f B u k b z k j v u t k o  
d j r k F k k m l g a l j y d j f n ; k g ā b l i z k k y h d h e g R r k e k u o c q ) d h e k = k e a o f ) , o e -  
i f j o r z u d j u s d h l H k k f o r { k e r k e a f u f g r g ā g k ; i j V a d L V i z k k y h d k m i ; k x d j u s o k y k d k b z  
H k h 0 ; f D r v F k o k v u q a k k u d r k z f v l i f . k ; k a , o e - l a d i / k r l k e x h d k v i u k e n y l a n H k z N k M / s f c u k  
v k x s c < f k j g r k g ā

g k b ā j V a d L V i k B ; k ā k k a d s v l r ā E c f u / k r v ā k k a l s c u r k g ā l p u k d s i R ; d v ā k d k s u k M  
d g r s g ā i R ; d u k M d k , d l a d s d g k r k g s f t l s f y a d ; k d M h d g r s g ā g k b ā j V D L V f y a d  
d s } k j k n k s u k M b l i z d k j t k M s t k r s g ā f d ; g f y a d , d u k M ¼ d j u k M ½ l s n i j s u k M  
½ M S L V u s k u u k M ½ d h v k s l a d s d j r h g ā

**ifjHk'kk** (Definition)

gkb̄ j VDLV dh ifjHk'kk dks l e>usgrqge ikjEifjd iKB; kāk tš siqrd l sbl dh rgyuk djxā gkb̄ j VDLV vØfed gkrk gSbl ea iKB; kāk dks i <us dk dkbz Hkh fuf' pr Øe ugha gkrk gā gkb̄ j VDLV ds }kj k iBdka ds l e{k vud fodYi iLr q fd; s tkrsgā rFkk i k Bd Lo; a gh iKB; kāk ds v/; ; u grqfdl h , d fodYi dk fu/kkj .k djrk gā

BMS/k ds i Fkd vākka ds chp fydkadsl 'tu vks ifrfuf/kRo dks gkb̄ j VDLV dgk tkrk gā

tc ; sMS/k xkfQd] /ofu] iKB; kāk vFkok vad Lo: i ea gkrsgā rc bl sgkb̄ j ehfM; k dgk tkrk gā

**ykk** ½Merits½

gkb̄ j VDI V izkkyh ; fn dh; Wj vk/kfjr gS rks ijEijkr l kfgR; dks mRre <x l s 0; ofLFkr djus ea l {ke gkrh gā bl ea ey l mHkz dks inkuØeh : i l s 0; ofLFkr fd; k tkrk gā bl izdkj ; g izkkyh tVY l krka ea l s l puk ds vfhkxe dks rj ar ikr djus dh i fØ; k dks l jy , oe- l fo/ktud cuk nrh gā ey : i l sbl izkkyh ds i fØ; kRed ykk fuEu gā

- 1- l mHkz dks [kktuk l jy gks tkrk gā
- 2- uohu l mHkz dk l 'tu l jy gks tkrk gā
- 3- l puk l j puk l jy gks tkrh gā
- 4- fo'o0; ki h , oe-LFkuh; fopkj i Hkko i wkz <x l s l a kš tr fd, tk l drs gā
- 5- ey i k B ds vākka dks l =c) fd; k tk l drk gā
- 6- , d gh ey i k B ds dbz vākka dks , d gh l e; ij , d l kFk dbz LFkuka l svoykdu fd; k tk l drk gā
- 7- l puk dh fLFkr jgrh gā
- 8- mi ; kxdrkz ds ikl viusfdl h izu dk mRrj ikr djus grq dbz rj h ds gkrsgā
- 9- vud y[kd izy[kka ds l kFk dk; Zdj l drs gā

vkt fofHkuu izdkj ds gk; ij VDI V mi yC/k gāftueal s dN ds mnkgj .k ; gk fn; s tk jgs gā gk; ij VDI V izkkyh tks dEi; Wj ds , d l āk.k , oa fopkj d mi dj .k ds : i ea mi ; kx

djus ds fy, uohu l Hkkouk, j [kkt jgh gS mudks vuq z kxka ds vuq kj fuEu izdkj oxhdr fd;k tk l drk g&

- 1- LFky l kfgR; d izkkyh ½Macro-Literal System½  
**mnkj.k** 1- Bush's MEMEX  
2- Trigg's TEXTNET
- 2- l eL; k&vuq dku izkkyh ½Problem Exploration System½  
**mnkj.k** 1- Horse Rittal's IBIS  
2- D.Lowe's SYNVIEW
- 3- clmftx izkkyh ½Browsing System½  
**mnkj.k** 1- Emac's INFO Subsystem  
2- Symbolic's Document Examiner
- 4- l kekl; mnns; izkkyh ½General Purpose System½  
**mnkj.k** 1- Disease's Boxer  
2- MCC's Plane Text

### gkbj j VDLV ds mi ; kx

cB'kuHjeS (Benshneiderman) }kjk gkbj j VDLV ds fuEu fyf[kr mi ; kx cryk; s x; s

g&

- 1- fo'kky l ipuk l eng dks vuq v&kka ea 0; ofLFkr fd;k x; k g&
- 2- v&kka ea vki l ea vUr l Ecu/k g&
- 3- mi ; kxdrkz dks fdl h Hkh l e; ek= l (e v&k dh gh vko'; drk gsrh g&
- 4- gkbj j VDLV }kjk vku ykbz iys[ku mi ; kxdrkz dks l gk; rkj i =dlfj rkj vuq dku dk; j fon'kh Hkk'kk if'k{k.k vkfn l fo/kk; a inku dh tkrh g&
- 5- cgyk; keh izdr ds QyLo: i l ipuk i kB; k&k ds vfrfjDr vU; Lo: i ka ea Hkh mi yC/ k gsrh g& gkbj j VDLV ds }kjk l ipuk dh mi yC/k vS l efr mi ; kx l Etko g& gkbj j VDLV ds }kjk v/; ; u] ys[ku vS l ipuk 0; oLFkki u ds rjhds dks i fofr fd;k tk l drk g&



## 1.4 vefnr&l kexh (Non- Print Media)

orëku ; q fodkl , oa i xfr dk ; q gS tks uohure i kS| kSx fd; ka dh nsu gS uohure i kS| kSx fd; ka ds vuqz, l x s x fky; grq Hkh uohure , oa fofo/k izdkj , oa # i ka ea Kku l kexh mRi kfnr gks jgh gS bl fy, x fky; ka ea vkt dy ijEi jkxr x fks , oa l kef; dh izdk' kuka ds vfrfjDr vefnr # i dh l kexh Hkh l xg hr dh tk jgh gS ftUgs vefnr l puk ek/; e dh l k k nh trkh gA vkt ds bl fodfl r ; q ea l puk&l kr dh , d fo' kkrk izdk' ku l s l EcfU/kr gS bl h ds QyLo: i vkt izdk' ku jfgr Lkr ka dh vkj vf/kd /; ku fn; k tk jgk gA l puk Lkr ka ds bl vk/kfud , oa uohu {s= ea dx t dk mi ; l x ugha fd; k trk gS bl fy, blga vefnr l kexh dgrs gA bu Lkr ka v fkok i y s [ka dks fuEu rhu J f. k; ka ea foHkDr fd; k tk l drk gA

### 1.1.1 ekbØkQkeZ (Microform)

ekbØkQkeZ fd l h Hkh i y s [k dk , d , d k vk: i gkrk gS ft l svR; Ur gh l e : i ea dj fn; k trk gA bl ea dx t ; k vl; l kexh dh ly/ ij ; k jhy fQYe ij fd l h Hkh vk# i ea l e vk: i fufe r fd; k trk gA ekbØkQkeZ fo f/k ds vkfo" dkj l s x fky; ka ea LFku dh deh dh l e l; k vf/kdre l hek rd gy gks xbz gA budk iz, l x vk/kfud l e; ea vR; f/kd ek= k eaf d; k tk jgk gA ekbØkQkeZ , d rjg l s ijEi jkxr i y s [ka dks l e vk: i gkrsgA bl fy, bu ea rFk ijEi jkxr i y s [ka ea vk dkj] ij ek. k rFk l kexh dh iz- fr l EcfU/kr vlRj rks gkrk gS i jUrq bu ea fufgr vlroLrq ea dkbZ vlRj ugha gkrk gA ekbØkQkeZ foHkUu : i ka ea mi yC/k gkrsgA

bu l e vk dkj ka dks i < us ds fy, fd l h fo' kkr mi dj .k @; fDr dh vko' ; drk gkrh gA ekbØkQkeZ ea de LFku ea vi s kkr- r vf/kd l puk dk l xg. k fd; k trk gS rFk ey i y s [k dh vi s kkr ekbØkQkeZ ea eW; Hkh yxHkx 40&50 % de gks trkh gS rFk l j fkr j [kus ds fy, LFku dh Hkh de l s de vko' ; drk gkrh gS cgr l s x fky vi us izdk' ku ds dkj .k vi kl; gks pps gA mlga ekbØkQkeZ ea i u% i u t h for fd; k tk l drk gS rFk Hkfo" ; ds fy, dkQh l e; rd l j fkr j [kk tk l drk gS ekbØkQkeZ i y s [k fuEu vk: i ka ea l yHk gkrsgA ftuea l s ekbØkQYe rFk ekbØkQ' k 0; ki d : i l s mi ; l x ea yk; s trks gA

¼½ ekbØkQYe ds : i e j

¼½ ekbØkQ' k rFk vkYVfQ' k ds : i e j

¼ ½ ekbØkQ vki d ds : i e j

**1/4", i p j d k M Z** ds: i e A

**1/2" e k b Ø k f Q Y e** (Micro Film)& g , d i k j n ' k z d f Q Y e g k r h g s f t l i j e f i n r l k e x h d k d e f d , g q i e k u s i j Q k v k s k f Q d v f h k y s [ k g l r k g A b l e a h k k j h r f k k n y z k i z y s [ k k a d k l v e h d j . k d j d s j [ k k t k r k g A j k s t k u k i z d k f ' k r f d l h l e k p k j & i = d s , d o " k z d s l E i w k z v f h k y s [ k d k s 3 5 f e e h o k y h , d j h y e a d e d j d s v f h k y s [ k c ) f d ; k t k l d r k g s f t l d h y E c k b z v f / k d l s v f / k d f l x j v d s n k s i d v k a d h y E c k b z d s c j k c j g k s l d r h g A o g c k t k j e a 3 5 f e e h r f k k 1 6 f e e h o k y s n k s v k d k j k a e a m i y C / k g A ; g j a x h u v f k o k ' o r & ' ; k e l H k h i z d k j k a e a m i y C / k g s r f k k n k s v k : i k a j k y f Q Y e r f k k f L V I l & f Q Y e e a i k l r g A

**1/2" e k b Ø k f Q ' k** (Microfiche)& g i k k V d k M Z d s y x h k x v k d k j ( 3 " x 5 " v f k o k 4 " x 6 " ) d h i k j n ' k z d f Q Y e d h ' k h v g k r h g A ; g i z y s [ k k a d h d b z i a D r ; k a d h N k v / h d h x b z v k - f r ; k a l s f u f e r g k r h g A b l e a f p = k a d k s f Q Y e d h i k j n ' k z ' k h v i j f j i h v d e j k d h l g k ; r k l s m R i k f n r f d ; k t k r k g A f d l h e k u d e k b Ø k f Q ' k e a 6 0 ] 7 2 v f k o k 9 8 Q e g k s l d r s g A e k b Ø k f Q ' k d h p k v / h i j m l d h v l r o L r q l s l E c f u / k r l p u k v i d r g k r h g A ; s j a x h u r f k k L o r & ' ; k e n k s u k a i z d k j k a e a m i y C / k g k r h g A e k b Ø k f Q ' k n k s i z d k j k a l q j f Q ' k r f k k v Y V r f Q ' k e a m i y C / k g A

**1/2" e k b Ø k & v k i s i** (Micro-Opaque)& s e k b Ø k f Q ' k d s l e k u g h g k r s g A b l e a r f k k e k b Ø k f Q ' k e a e k = v l r j b r u k g s f d b l e a l p u k f Q Y e i j m R i k f n r u d j d s l O n v i k j n ' k z d i = d i j m r k j h t k r h g A ; s v f / k d y k d f i z u g h a g s r f k k / k h j & / k h j s v i p f y r l s g k s j g s g A e k b Ø k & v k i s i d i k ; % r h u v k : i k a e k b Ø k d k M Z e k b Ø k i V r f k k e k b Ø k d k M Z v k : i g s t k s 3 " x 5 " , 4 " x 6 " , 5 " x 8 " r f k k 6 " x 8 " d s v k d k j k a e a m i y C / k g A , d e k b Ø k d k M Z e a y x h k x 8 0 i " B k a d h e f i n r l k e x h l e k f g r g k s t k r h g A

**1/2", i p j d k M Z** (Aperture Cards)& g y x h k x 7 " x 3 " d k , d v i k j n ' k z d i = d g l r k g s ; s , d r j g l s i = d d s V p l M s g l r s g s f t u e a , d f [ k M e h g l r h g s f t l e a e k b Ø k s f Q Y e y x k b z t k l d r h g A , i p j d k M Z i j 3 5 f e - e h , d r f k k 1 6 f e - e h d h d b z f Q Y e a y x k b z t k l d r h g A i = d e a v k - f r d s c k j s e a l p u k j g r h g s f t l l s l p u k d h N j v k b z H k . M k j . k , o a i q i k z l r e a l g k ; r k i k l r g k r h g A

### 1.1.2 byDVfud ek/; e (Electronic Media)

vk/kfud byDVfud ; q; eafofHku i kB; ka k] fcEc vlg I ká[; dh Mv/k] byDVfud Lo: i ea mi yC/k gA efnr i kB; & l kexh dks byDVfud Lo: i ea Hkh mi yC/k djok; k tkrk gS vlg dHh&dHh I puk ek= byDVfud Lo: i eagh mi yC/k gsrh gA byDVfud I puk e'khu }kjk i Buh; gS rFk bl s da; wj I kVVoş j }kjk [kstk tk I drk gA byDVfud I puk dk LFkkukUj.k Hkh nj LFk LFkukard vkl kuh i wZd fd; k tk I drk gA I puk I xg.k] forj.k vlg LFkkukurj.k ea byDVfud ek/; e vR; r mi ; kxh fl ) gksjgk gA byDVfud ek/; e ds vrxr eXufVd] vkfVdy vlg eXufVd&vkfVdy ek/; e vkrs gA

### eXufVd ek/; e (Megnetic Media)

bl ds vrxr eXufVd Vi] eXufVd fMLd] qlyki h fMLd vkfn dks j [kk x; k gA

**eXufVd Vi** (Megnetic Tape)& eXufVd Vi , d f}rh; d I xg.kd I k/ku gSftI ea vfhky[; kh; ek/; e gsrq eXufVd I kexh dk yi yxh gPZ , d ych lykLVd i VVh dk iz kx fd; k tkrk gA fo'kky Mv/k I xg.k gsrq eXufVd Vi vR; r ykdfiz ek/; e gSftI es Mv/k dh mi yC/k vlg i Lrfrdj.k Øfed gsrk gA bl ea l keku; r% vk/kk blp pM/s lykLVd fjfcu dk iz kx fd; k tkrk gA bl Vi fjcu dks pj [kh ds : i ea vFkok dS v/ ds : i ea l xgr fd; k tkrk gA bl Vi dh xqkkRedrk vlg LFkf; Ro Vi fjdkMj ea iz qR Vi I scgrj gsrh gA bl da; wj Vi ij I xgr Mv/k dks feVkdj bl s i q%mi ; kx ea yk; k tk I drk gA uohu Mv/k vfhky[; kr djrs gh Vi ds i gkus Mv/k Lor% gh feV tkrs gA

eXufVd Vi ij Mv/k I xg.k] vk; ju vkfVd I kbM dk yi yxh I kbM ij I (e vn' ; p; dh; vlg vp; dh; fcnq/ka ds : i ea gsrk gSftudk ifruf/kRo 1 vlg 0 ds }kjk fd; k tkrk gA eXufVd Vi ij o'kkrd Mv/k I xg.k fd; k tk I drk gS rFk I xghr Mv/k dks vudkackj i <k Hkh tk I drk gA eXufVd Vi dk mi ; kx i adk : i I svfhky[; kxkj earFk , d e'khu I sni jh e'khu ij fo'kky ek=k ea l puk LFkkukUj.k gsrq fd; k tkrk gA

### eXufVd Vi dsyHk

1. **de ylxr vlg I jy I xg.k & eXufVd Vi** , d I Lrk I xg.k ek/; e gSftI ij I pukvka dks feVkdj bl dk vudkackj i qzni ; kx Hkh I Hko gA vi us I ?ku Lo: i ds dkj.k bl dk I xg.k Hkh I hfer LFkku ea l jyrk i wZd fd; k tk I drk gA

2. **mPp MŠ/k I ?kurk** & 2400 QhV yacs vſj 1@2 bp pſM/s eſuſVd Vi ds fjcu ij iR; d bp ea Vi Mkb ds vk/kj ij 800] 1600] 6250 dſj DVj I aqhr fd; s tk I drs gſ

3. **vl hfer vfhkyſku {kerk** & eſuſVd Vi dks vfhkyſku {kerk vl hfer gſrh gſ Øfed : i I s 0; ofLFkr Qkbya vko'; drkuq kj fdruh Hkh yach gſ I drh gſ

4. **Rofjr LFKularj.k xfr** & eſuſVd Vi }kjk vR; r rhoz xfr I s MŠ/k dk LFKularj.k vſj i qā kfIRk I Hko gſ

**eſuſVd Vi dh I hekc)rk &**

**vfhkyſkadh iR; {k mi yC/krk dk vHko** & I i wkz Vi dk Øfed v/; ; u rks I Hko gſ fclaq Rofjr vſj jSMe vk/kj ij Qkby vfhkyſkadh i kflr gſrq eſuſVd Vi vuq; kxh fl ) gſrk gſ

**i ; kbj.k I eL; k, j** & /ky] rkieku Lrj vſj vfu; i=r vknrk ds dkj.k Vi I sv/; ; u ea vud =qV; k mRi uu gſ tkrh gſ Vi vſj jhy dā/sj ij I ko/kkuh i wZ ycy yxkuk vko'; d gſ vU; Fk Vi dh [kkt ea gh I e; 0; Fkz gſ tkrk gſ dbz ckj vl ko/kkuh ds dkj.k fdl h egRoi wkz Qkbzy I s MŠ/k feV tkrsgſ

**eſuſVd Vi dk mi ; kx**

vf/kdkr%eſuſVd Vi vfhkyſkxkj ea vfhkyſk I aqg.k vſj I j {k.k gſqmi ; kx fd; s tkrsgſ cſy; kxkfQd MŠ/kcl ds forj.k gſrq Hkh eſuſVd Vi dk iz kx fd; k tkrk gſ xſky; uſ/vodZ ds I eLr i frHkxh xſFky; ka dks I ph vfhkyſk mi yC/k djokus gſrq Hkh eſuſVd Vi , d mi ; kxh ek/; e gſ

**eſuſVd fMLd**

eſuſVd fMLd /kkrqvFkok lykfLVd I sfufeir xſy vſj eghu lys/ gſrh gſ ft I ds nkuks rjQ vk; ju vkDI kbM dk yi yxk gſrk gſ fMLd ij I dſunr o' Rrka ea vud Vcl 0; ofLFkr gſrsgſ ftrus vf/kd Vcl gſrsgſ mruh gh vf/kd fMLd dh I aqg.k {kerk gſrh gſ iR; d Vcl i q% [k.Mka ea foHkftr jgrs gſ ftlga I DVj dgrs gſ Vcl ij I puk dk I aqg.k vn' ; ] I ſe pſdh; fcnq/ka ds : i eagſrk gſ cgſ I kjh fMLd feydj fMLd i d dgykrh gſ eſuſVd fMLd }kjk Øfed v/; ; u ds I kFk&I kFk MŠ/k dh Rofjr vſj jSMe mi yC/k Hkh I Hko gſ

## **Ųykw h fMLd (Floppy Disk)**

Ųykw h fMLd vR; r ykdfiz; f}rh; d l xg.k ek/; e gŲ Ųykw h fMLd yphyslykflVd dh curh gsftl ij eŲufVd vkŲl kbM dk ysi yxk gkrk gŲ ; g yphyh fMLd , d pkŲkŲj vkdkj dh lykflVd ; k xRrs dh tŲŲ/ ea l jf{kr j [kh tkrh gŲ fMLd dks fMLd MRbo ij tŲŲ/ ds l kFk ekma/ fd; k tkrk gŲ rFk tŲŲ/ ij mi yC/k fNnz l sl Ųuk i < k vŲŲ vfhkyŲ[kr dh tkrh gŲ Ųykw h fMLd dks fMLdŲ/ ; k Ųykw h Hkh dgrs gŲ vl; l xg.k l k/kuka dh rgyuk ea Ųykw h fMLd cgr l Lrh gkrh gŲ Ųykw h fMLd ds/kheh xfr l s?kœus ds dkj .k bl ea l Ųuk dh [kŲst grqvf/kd l e; yxrk gŲ ekbŲŲks dh; wj ea Ųykw h fMLd dk mi ; l x fd; k tkrk gŲ

### **1.4.3 J0; &n'; l lexh (Optical Media)**

foKku ds ikjfehkd dky ea /ofu ds vfhkyŲ[ k ½J0; mi dj .kkŲ dk mi ; l x vf/kdrj l ŲhrkRed vfhkyŲ[ k ds : i ea gh fd; k tk l drk Fk yŲdu fodkl ds l kFk&l kFk /ofu mi dj .kka dk mi ; l x vud idkj l s gkœus yxk gŲ n' ; &J0; i ŲŲ[ kka dks xŲfhky; ka }kj k vŲŲ pkfjd : i l sl xghr fd; k tkrk gŲ , d si ŲŲ[ kka dk mi ; l x , d s0; fDr; ka dsfy, gkrk gs ftuds ikl eŲnr i ŲŲ[ kka dk v/ ; ; u djuk l Ųko ugha gks i krk gŲ dbZ vk/kŲud fo' ofo | ky; ka ea , d si ŲŲ[ kka dk mi ; l x d {kkvka eanŲud v/ ; ; u ds Hkx ds : i eafd; k tkrk gŲ n' ; &J0; i ŲŲ[ k mi ; l x drkŲ/ka dh Lej .k 'kfDr dks c<kœus , oacŲ) dks rh{ .k djus ds i eŲ[ k l k/ku gŲ

### **vŲŲdy ohfM; l fMLd fl LVe**

bl fl LVe ea vfhkyŲ[ kr l ŲŲrka dks ohfM; ka fMLd lys j ea fuEu i kŲj ystj dh l gk; rk l si < k tkrk gŲ

### **fMftVy vŲŲdy fMLd**

bues fMftVy l Ųuk l xghr gkrh gŲ rFk vfhkyŲ[ ku vŲŲ v/ ; ; u grqystj dk mi ; l x fd; k tkrk gŲ

### **vŲŲ; l adkŲŲ DV fMLd**

bl ea J0; l Ųukvka dk fMftVy vfhkyŲ[ k fd; k tkrk gŲ

### **l h-Mh&jke ½CD-Rom½**

l h-Mh&jke dk rkri ; l , d l ?ku fMLd l s gsftl s dœy i < k tk l drk gŲ , oa vfhkyŲ[ ku ugha fd; k tk l drka bl dk i jk uke ŲdkŲŲ DV fMLd&jhM vŲŲyh eŲkjŲb gŲ ; g , d uohu

izdkf'kr ek/; e gS tks vR; r mi ; ksch 'kS{kf.kd mi dj.k ds : i eaHkh LFkfi r gks ppk gA , d  
I hMh ij 550 esk ckbV fMftVy Msk I afgr fd; s tk I drsgA ; g , d I gh fo'ol uh; Msk  
I xg.k I k/ku gftI ea 150]000 efnr i "B vFkzr yxHkx 250 i qrdal afgr dh tk I drh  
gA I hMh jke dh dher Hkh cgq vf/kd ugha gsrh gA bl ea I puk Hkh I jf{kr gsrh gA I hMh  
dk mi ; kx , d I e; ea , d gh mi ; kxdrkz }kjk fd; k tk I drk gA

### **jkB/ ouI jHM eSh [Write-Ones Read-Many (Worm Disk)]**

bl fMLd ds }kjk mi ; kxdrkz/ka dks vi uh Lo; a dh Msk QkbZy fufeR djus dh I fo/kk  
inku dh tkrh gA i kB; ka k] xkfQd vkfn izkj dsfcEka ds I xg.k gsrq; g , d mRre ek/; e  
gA

### **eXus/ksvMIVdy ek/; e ½Magnetooptical Media½**

eXus/ksvMIVdy ek/; e ea i qyZ[ku dh I fo/kk inku dh tkrh gA da; Wj dh fujarj c<rh  
Lefr {kerk ds I kFk&I kFk I xg.k ek/; eka dks mlur cukus ds iz; kl Hkh fd; s tk jgs gA eXus/ka  
vMIVdy fMLd eav/; ; u] y[ku vS i qyZ[ku gsrqystj che dk mi ; kx fd; k tk I drk gA  
budk mi ; kx vkuWkbu I ok] vMID ykbu I ok] cfd vi vS Msk forj.k gsrqfd; k tkrk gA

### **1.5 I kjlak (Let us sum up)**

bl bdkbz ea i y[kh; I kskadsefnr vS vefnr ek/; eka dk o.ku fd; k x; k gA efnr  
ek/; e ds fofHku Lo: ika dk foLr o.ku iLrq fd; k x; k gA I kFk gh efnr ek/; e ij  
byDVrfud ek/; e ds iHkoka vS efnr ek/; e ds Hkfo"; ij Hkh izdk'k Mkyk x; k gA  
eYVhefM; k dh vko'; drk vS rdudh] gkbj ehfM; k] gkbj VDI V-dk Hkh fooj.k iLrq  
fd; k x; k gA vefnr ek/; eka ds vrxr ekbZkQk] byDVrfud ek/; eka dk o.ku fd; k x; k  
gA

### **1.6 Lo&tkp vH;kl (Self-check exercise)**

1. I puk ds fofHku Hkdrd ek/; eka dks I e>kb; A
2. eYVhefM; k] gkbj ehfM; k rFk gkbj VDI V ij fVli .kh fy[kkA
3. I puk ds vefnr ek/; eka dks foLrkj I s I e>kb; A
4. I puk I ik.k ds fofHku byDVrfud ek/; eka dks I e>kb; A
5. I h- Mh- jke ij , d fVli .kh fy[kkA

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**bdkbZ-2 I puk dsl=kr] ra , oack; Øe%fo'k; okj I xBu (Information Sources, Systems and Program's: Subject wise Organization)**

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- 1.0 fo"k; iDšk (Introduction)**
- 1.1 mnns; (Objectives)**
- 1.2 ekufodh (Humanities)**
- 1.3 I kelt d foKku (Social Sciences)**
- 1.4 foKku , oaiš kxdh (Science and Technology)**
- 1.5 v&vuqWl r fo"k; (Non-Disciplinary Subjects)**
- 1.6 vrj'kVh; I xBu (International Organizations)**
- 1.7 I koššed I puk ra (Global Information Systems)**
- 1.8 I kjlak (Let Us Sum Up)**
- 1.9 Lo&tłp vH; kl (Self-check Exercise)**

## 1.0 fo"k; i dŠk (Introduction)

euq; , d l kelt d ik.kh gš fdl h nš dh l kelt d l k d f r d l v k f k d v š j k t u f r d x r f o f / k ; k a d s Ø e c ) v / ; ; u d k d k ; l l e k t f o k k u ] e k u f o d h ] f o k k u , o a i š l k š x d h d s v a x š r f d ; k t k r k g š l e k t f o k k u d s v a x š r e u q ; v š m l d s l k e l t d l e c l / k a d k x g j k b z l s v / ; ; u f d ; k t k r k g š l e k t d s f o f h k u 0 ; f d r v š l a f k u l p u k v a d s t l e n r s g š l e k t f o k k u ] e k u f o d h ] f o k k u , o a i š l k š x d h { k s l s l e c l / k r l p u k , i f u j l r j v š n a x f r l s o f ) d j j g h g š l p u k v a d s r o f j r v š i h k o i w k l p k j g r q b u { k s k a e a l p u k l = k r k l p u k r a k a d h e k a f u j l r j c < r h t k j g h g š l p u k l p k j g r q f o f h k u e k / ; e k a d k i z l a f d ; k t k r k g š ; s e k / ; e f y f [ k r ] e f n r ] n ' ; & J 0 ; ] e k b Ø k Q Y e v f k o k d e l ; w j v k / k f j r g l r s g š l p u k f o k k u d s m i ; k x d r k z n k = ] f ' k { k d } 0 ; k i k j h ] ' k s k f k h ] o s k k f u d ] m | k x i f r ] o d h y ] u l f r f u / k j d ] v k ; k s t d l s y d j v k e t u r k h h g s l d r h g š j k ' v a f u e k z k e a b u f o " k ; k a d h l ' k d r h k e d k d k s / ; k u e a j [ k r s g q v u s d l p u k l = k r v š l p u k r a f u f e r f d , x , g š t k s j k t ; l r j h ; ] j k ' v h ; v š v l r j k z v h ; l r j i j d k ; j r g š

## 1.1 mnas; (Objectives)

bl b d k b z d s v / ; ; u l s v k i l e k t f o k k u ] e k u f o d h ] f o k k u , o a i š l k š x d h d s l p u k j k r k i z e d k l p u k d b n k a , o a l p u k r a k a d k f o l r ' r k k u i k l r d j l d a k a i d r d k y ; , o a l p u k f o k k u d s n k = b l d s v / ; ; u d s c l n f u e u { k s e a v i u s d k s ; k k ; i k , a %

- 1- l e k t f o k k u , o a e k u f o d h { k s d k i f r f u f / k r o d j u s o k y s f o " k ; k a d k v f h k k u a
- 2- f o k k u , o a i š l k š x d h f o " k ; d l p u k j k r d k i f r f u f / k r o d j u s o k y s f o " k ; k a d k v f h k k u a
- 3- f o k k u , o a i š l k š x d h l s l a f / k r l p u k d b n ] l p u k r a v š d k ; d e d h t k u d k j h a
- 4- f o k k u , o a i š l k š x d h l s l a f / k r l p u k l o k i n k u d j u s d h { k e r k a
- 5- l e k t f o k k u ] e k u f o d h l s l a f / k r l p u k d b n ] l p u k r a v š d k ; d e d h t k u d k j h a
- 6- l e k t f o k k u ] e k u f o d h l s l a f / k r l p u k l o k i n k u d j u s d h { k e r k a



## 2-2 ekufodh (Humanities)

Ekufodh fo'k; e[; : i I sekuo e[; ka, oamudh I h—fr ij vk/kfjr fo'k; g[ blgh fo'kkrkvka ds pyrs ; g I kba , oa I kky I kba fo'k; ka I s fklU g[

gekjsv/ ; ; u dsmn[; eageusn'ku'kl=] /ke[ dyk[ Hk'k I kfgR; ] , oabfrgkl bR; kfn dksekufodh fo'k; kadsvarx[ 'kfe[ fd; k g[ mi jk[ fo'k; kadsvarx[ fofklU I [uk L=kr] I [uk dn] I [uk ra[ , oa I [uk dk; [e g[ i f j Hk'k , oa {k= %

I ke[; r%ekufodh eaKku dsfoHktu dsog I eLr fo'k; vkrs g[ tksfd I kba ] I kky I kba , oa i k—frd foKku fo'k; I svyx g[ UGC ubz fnYyh }jkj ekufodh fo'k; ds varx[ vkus okys fo'k; ka dh I [h nh xbz g[ ft I eafu[ufyf[kr 'kfe[ g[ %

- 1- Dyk[ dy y[ost[ (Classical Languages)
- 2- ekMu[ y[ost[ (Modern Languages)
- 3- varx[ , oa fonskh y[ost[ (English and Foreign Languages)
- 4- Hk'k 'kl= (Linguistics)
- 5- n'ku'kl= (Philosophy)
- 6- bfrgkl (History)
- 7- dyk dk bfrgkl (History of Arts)
- 8- I [gky; foKku bR; kfnA (Museology)

I [uk dn] ra[ , oa dk; [e %

- 1- vrjk[Vh; I [uk ra[ , oa I [Bu (International Systems and Organization)

vrjk[Vh; Lrj ij ekufodh ds{k= eavud I [Bu] I [uk dn] dk; j[ g[ tksfd bl {k= eafofok I [uk, i nku dj jgs g[ ; g I [uk dn] v | ru izkfy; ka, oa uohu i [k] k[xdh dsek/; e I smi ; k[ drk[ka dks fo'k; ka dh I [uk, ami y[ok dj jgs g[

➤ ABC-CLIO [vesj dk½

; g i e[ : i I sekufodh ds{k= eavkof/kd izk'kukadsfu; a.k g[ rLkfi r dh xbz g[

bl ds dN i z d k MkVkd g %

- (i) vefjdk %fgLVh , oaykbQ (America: History and Life - AHL)
- (ii) vKZ fcfy; kxfQI ekMuZ (Art Bibliographies Modern)
- (iii) fgLVsfjdy vQVQV (Historical Abstract - HA)

➤ , I kfi , 'ku Qkj dā; Wl Z , M gēfufVt+ (Association for Computers and Humanities - ACH) %euki kyhl ½

; g I āk dā; Wj vuqz kx ekufodh ds {k= ea fo'k; ij I ehukj] dkQd ] yōpj bR; kn vk; ktr dj muds izdk'ku fudkyua dk dk; l djrk gā

➤ bQkēskū , DI d dā uh (Information Access Company - IAC)

(IAC) ftQ+ dE; fudskū dā uh dh I gk; d I āFk gā tksfd ekufodh ds {k= ea dk; j r gā

➤ bāVhV; W~ Qkj I kbāVfQd bQkēskū (Institute for Scientific Information - ISI) %QykmfYQ; k½

vrjkzVh; Lrj ij ekufodh ds {k= ea vū; I āFku , oal pūk rā= g%

- 1- , p- Mōyw foYI u dā uh] ; w, l - , - (H.W. Wilson Comp.) (USA)
- 2- uškuy yk; cjh vKQ vKLVfY; k (National Library of Australia - NLA)
- 3- dE; fudskū dukMk (Communication Canada)
4. uškuy I Wj Qkj I kbāVfQd fjI pZ (National Centre for Scientific Research) (*Centre National de la Recherche Scientifique*)(CNRS)
5. fcfV'k yk; cjh (British Library)
6. yk; cjh , I kfi , 'ku ifcyf'kx fyfeVM (Library Association Publishing Ltd.)
7. gk; j dkĀāil y Qkj I kbāVfQd fjI pZ Li s (Higher Council for Scientific Research, Spain)
- 2- jk'Vh; I pūk rā= , oal āBu (National Systems and Organization)

1- n'ku'kkL= (Philosophy)

➤ bāM; u dkmāil y vkQ fQykl kQody fjI pZ (Indian Council of Philosophical Research) (ICPR)

;g ,d 'kšk I ħFku gš tšfd Ĥkjr eajk'Vh; 'kšk I ħFku ds#i eadk;Zdj jgk gš I ħFku Ĥkjr; ,oai f'peh n'ku fo'k; kaij 'kšk dk;ZI ħkfnr dj jgk gš I kfk gh ;g jk'Vh; ,oa vrj'k'Vh; Lrj ij n'ku ds {k= ea vud I ehukj ,oa I Eeyu vk;kštr djrk gs ,oa [; kfr i klr Ĥkjr; ,oai f'peh fo}luka ds yĐpj dk vk; kštu djrk gš

ICPR }kjk dbz izdk'ku fd;s x; sgš ;g dš'š ĀkšI fMx] i ħrdš 'kšk fji kš/ bR; kfn Ādkf'kr djrk gš I ħFku ,d 'kšk if=dk "Journal of the Indian Council of Philosophical Research" (JICPR) Ĥh Ādkf'kr djrk gš

ICPR ds vykok Ĥkjr ean'ku'kL= ds {k= ea vkš Ĥh I ħFku dk; jr gš %&

- Academy of Comparative Philosophy and Religion
- Adi Sankara Advaita Research Institute, and
- Radhakrishnan Institute for Advanced Study in Philosophy

## 2- /keZ(Religion)

### ➤ x# ukud QkmMšku (Guru Nanak Foundation)

;g ,d 'kšk I ħFku x# ukud nš dsn'ku ,oafi [k /keZ ds iĐkj ,oai ħ kj gšq LFKfir fd;k x;k FkA fi [k n'ku ,oa/keZ ij vud i yš[k Ādkf'kr djrk gš I kfk gh ;g jk'Vh; ,oavrj'k'Vh; Lrj ij vud I ehukj ,oa I Eeyu vk;kštr djrk gš

Guru Nanak Foundation ,d 'kšk if=dk "Studies in Sikhism and Comparative Religion" Ĥh Ādkf'kr djrk gš ;g dbz I šf/kr fo'k; kaij fcfšy; kšxQh rš kj djrk gš

/keZ(Religion) ds {k= ea vU; I ħFku gš %&

- Indian Institute of Islamic Studies
- Central Institute of Buddhist Studies
- Theological Research and Communication Institute
- Kund Kund Gyan Peeth, Indore
- Shri Digambar Jain Trilok Shodh Sansthan, Hastinapur
- Theosophy Centre,

## 3- dyk (Arts)

➤ **bánjk xkálh jk'Vh; dyk dñz**(Indira Gandhi National Centre for Arts, New Delhi) (IGNCA)

bl l ÆFku dk e[; mnñ; Hkjr; tu ekul dksmudh l Æd'fr ,oadyk l s voxr djuk gñ Hkjr l jdkj usbl l ÆFku dksdyk l Æd'fr ,oakufodh ds {s-eajk'Vh; MKVk cad LFkfi r djusdh ftEenkh nh gñ QyLo#i dbZMKVk cad ij dk;Z py jgk g\$ t\$ §

1. Library Information System, Union Catalogue of Catalogues (CATCAT)
2. Manuscripts (MANUS)
3. Art Objects (PICTO)
4. Sound Recordings (SOUND)
5. Kala Kosha Terms Database (KKTERMS)
6. KHAM Exhibits (KHAM)

IGNCA dk dYpjy vdkkbo fMohtu (Cultural Archive Division) dyk fuf/k dgykrk gñ ft l dk l xg 6 J\$.k; koesfolkkftr g%

1. l kgr; (Literature) t\$ & vkj- l h jak l xg
2. okLrqf'kvi (Visual Arts) t\$ s & yu Msu l xg
3. Nk; k iV (Photography) t\$ & jktk ykyk nhu n; ky l xg
4. l xhr (Music) t\$ & Jh , l - d".kkLokeh l xg
5. ur; (Theatre) t\$ & ds Vh- n\$ked[k l xg

➤ **jk'Vh; dyk vdkneh**(National Academy of Arts) (NAA)

;g dyk ds Ápkj&Ál kj grq l e; & l e; ij l ehukj l Eesyul yDpj bR; kfn vk; ktr djrk jgrk gñ

➤ **l xhr ukVd vdkneh**(Sangeet Natak Academy) (National Academy of Music Dance and Drama)

➤ **yfyR dyk vdkneh**(Lalit Kala Academy)

➤ **u\$kyu Ldny vkQ Mtek**(National School of Drama) (NSD)

➤ **bñM; u dkmál y Qñj dYpjy fjyskd** (Indian Council for Cultural Relations) (ICCR)



if=dk Ádk'ku %1- The Indian Historical Review, and

2- ICHR News letter

➤ National Archives of India (NAI)

I jdkjh fjdkMZ ds I o/kú ,oa I j{k.k gsrqbl dh LFki uk dh xbA jkT; I jdkjka ds fjdkMZ ds I o/kú ,oa I j{k.k gsrq jkT; Lrj ij LVV vkdkbo (State Archives) LFki r fd; s x; s gA

6- I xgky; (Museums)

➤ Indian Museum, Calcutta

;g Hkjr dk I cl scMk ,oa ij kuk I xgky; gA ;gkVij dyk] ijkrRo] ekuo 'kL=] efrdyk] bR; kn ij ipj ek=k ea I xg ekstn gA ;g 'kSk] yDpj] I ehukj] I Eeyu bR; kn vk; k'tr djrk gA

if=dk Ádk'ku %1- Museum Bulletin (English)

➤ National Museum, New Delhi

;g I xgky; Hkjr; I k'dfrd fojkl r dsl gstsqq ,d iedk I xgky; gA ;gkaij dyk] I k'dfr] bfrgkl I sl x'kr fo'ky I xg gA ;g I e; & I e; ij foHku fo'k; kaij in'ku; kav; k'tr djrk jgrk gA

dN vU; I xgky; gA

➤ Salar Jung Museum, Hyderabad

➤ Indira Gandhi Rashtriya Manav Sangrhalaya, Bhopal

➤ Nehru Memorial Museum and Library, New Delhi

➤ Raja Dinker Kelkar Museum, Pune

### 1.3 I kelt d foKku (Social Science)

I ekt foKku ea I puk I kr (Information Sources in Social Sciences)

I ekt foKku %ifjHk'k ,oa {k=

fxMxI (Giddings) ds vuq kj 'I ekt 'kL= I exz: i ea I ekt dk Øec) o.kú vkj 0; k[; k gA\*

eSkboj rFk ist (Maciver and Page) ds 'kCnk ea 'I ekt 'kL= I kelt d I Ecu/kk ds fo'k; ea I Ecu/kk ds tky dlsge I ekt dgrs gA\*

**ešjy** (Marril ½ ds vuđ kj 'l ekt'kL= ekuoh; I EclU/kka dk foKku gš\*

I ekt'kL= dsfo'odkšk ds I Eiknd I šy/leku (Seligman½us vi usfo'odkšk ea I ekt foKku ds ,d egRo iwZ yčk ea I ekt'kL= dks ifjHkf'kr djrs gq fy[kk gšfd 'bs ekufi d ;k I kldfrd foKku ftudk I EclU/k I ešj ds I nL; ds : i ea dh xbz 0; fDrxr xfrfof/k; ka I s gš I ekt foKku dgykrs gš\*

**Hkjrh;** I ekt foKku vuđ U/kku ifj'kn~(Indian Council of Social Science Research - ICSSR)

ICSSR dh LFki uk 1969 eagpA bl dk ižčk mnš; I ekt foKku vuđ U/kku dks i kšl kgu inku djuk gš bl ds }kjk izyčku I škvka dk fodkl ,oa Mš/k dk vknku&inku fd;k tkrk gš ifj'kn~ds }kjk I ekt foKku dh i črdka včš if=dkvka ds izdk'ku eaHh ; šknku inku fd;k tkrk gš bu mnš; ka dh i črZ gš q ifj'kn~}kjk 1970 ea I kelftd foKku izyčku dšnz dh LFki uk dh xbA 1986 I sbi dšnz dk uke jk'Vh; I kelftd foKku izyčku dšnz dj fn; k x; ka ifj'kn~}kjk ,d vHkyčkxkj dh LFki uk dh xbA ifj'kn }kjk Hkjrh dsfofHku I kelftd vuđ U/kku I šFkuka dks ,d I š eacká k dj j[kk tkrk gš ; g ,d I ekt foKku {š= dk ,d egRo iwZ I šuk L=šr gš ifj'kn ds ižčk izdk'ku fuEufyf[kr gš

- 1- Mk; jšVh vKš i kšškuy vknkZukbžškuA
- 2- ICSSR fjI pZ ,CLVšVš DokVžyhA
- 3- bf.M; u I k; dkykššdy ,CLVšVš
- 4- ICSSR tužy vKš ,CLVšVš ,.M fj0; šA
- 5- I šk; kykššh ,.M I šky ,UFkš kykššhA

**vU;** I ekt foKku I šFku (Institutes related to Social Sciences)

**VKvk** I ekt foKku I šFku (Tata Institute of Social Sciences)

iž ea; g I j nkjčth VKvk xšqV Ldny vKš I šky odZ dsuke I s 1936 ea ečbz ea LFkšir gš/kA 1944 ea bl dk uke VKvk I ekt foKku I šFku dj fn; k x; ka bl dk eč; mnš; I ekt foKkuka ds f'k{k.k dk; Žeka dk vk; kštu djuk gš rkfd I kelftd dk; ka gš q 0; ol k; d : i I s if'k{kr 0; fDr i ktr gš I dš I šFku }kjk

I kelftd vuq akkuka dk vk; kstu rFk i qrdk if=dkvka o 'kksk fofucak vkfn dk izk'ku fd; k tkrk gA

I ekt foKku ds I pūk L=kr (Information Sources of Social Sciences)

Hkj r ea I ekt foKku ds vf/kdkak I pūk L=kr efnr Lo: i eagh mi yC/k gA fuEukdr nks izdk I ekt foKku I anHk L=krka }kjk I ekt foKku ds fofHku I pūk L=krka dh tkudkj ikr gS tkrh gA

- 1- jkek jMMh d'r & I kky I kbl buQkwe%I e bf.M; u I k it (Social Science Information : Some Indian Sources)
- 2- ,p- Mh 'kekz dr & bf.M; u fjQjbl I k it%, u , ukvM xkbM Vwbf.M; u fjQjbl eVsj; y (Indian Sources: An Annotated Guide to Indian Reference Material )

vrjkVh; @fonskh I ekt foKku I pūk L=krka dh tkudkj fuEukdr I pūk L=krka I s ikr gS tkrh gS

- 1- ,ycVz tkM oSyQkMZ d'r & ^oSyQkMZ \* xkbM VwfjQjbl eVsj; y
- 2- I h ,e- OgkbM d'r & ^I k it vkM buQkwe%ku bu n I kky I kbl st\* f'kdkxk\$ ,-, y-, ] 1973
- 3- ,yu dM ¼ aknd½ bul kDyki hfM; k vkM ykbcjh ,.M buQkwe%ku I kbl ] U; w kM ek'ky Mslj] 1968 ¼7 [k.M½
- 4- tkM Qhj rFk ikly LVt½ ¼ aknd½ b.VjuSkuy bul kDyki hfM; k vkM buQkwe%ku ,.M ykbcjh I kbl ] yanu] : Vyst] 1997 ¼ [k.M½
- 5- I kkyksthdy ,oLVØV
- 6- I kbDykhdy ,oLVØV
- 7- fm tVzku ,oLVØV b.VjuSkuy
- 8- I kky I kbl b.MØI
- 9- ykbcjh ,.M buQkwe%ku I kbl ,oLVØV

I pūk ra= vlg dk; Øe

MgyiesV buQkwe%ku usvodz QkM I kmFk ,f'k; k (DEVINSA)

nf{k.k&, f'k; kbz nska vFkr~ cklyknskj Hkj r] eky }ho] usky] ikdLrku vlg



Jhyadk ds l g; kx l scuk gA i R; d nsk , d jk'Vh; d bnh; fclnq dsek/; e l sbl ea  
l ghkfxrk djrk gA bl dk i ad[k mnas; nf{k.k , f'k; k ds vizdkf'kr l kfgR; gsrq  
fcfCy; kxfQd MKVkd dk fuekzk djuk gA bl ds }kjk nf{k.k , f'k; k ds mi jkDr  
of.kr N% nskka ea py jgs l kekfd&vkfkd vuq Wkkuka vls uohu fodkl kRed  
xfrfof/k; kadh tkudkjH Hh inku dh tkrh gSrFkk vuq Wkku dh f}jkoFRr dks jkdus  
dk iz kl fd; k tkrk gA

## MSyietV l kbZl buQkeZ ku fl LVe (Development Science Information Systems - DEVSIS)

DEVSIS , d fo'o&Lrjh; l puk rU= gA ; g , d y{; &vfHked[kh l puk rU= gS  
ft l ea l pukvka vls MS/k dk 0; oLFkki u fo'k; kud kj u gkdj fuEufyf[kr mnas; kadh  
i frZ gsrq gkrk gA

- 1- rF; j i dFRr vls fo'ySk.k
- 2- fu.kZ; {kerk ds vknSk
- 3- dk; kly; hu ulfr; kj ; kstuk; j vls dk; De
- 4- fodkl kRed dk; Z vls l pkyukRed vuqko
- 5- fu"d"Z vls eV; kdu
- 6- fodkl ds l k/ku vls midj.k

DEVSIS , d fodbnhd'r l puk rU= gS tks fofHku jk'Vha ea LFkfi r jk'Vh;  
i frHkxh d bnhkd gkrk gA MKVkd ds mi ; kxdrkZ/ka evuq Wkkudrkj fo}ku ulfr  
fu/kkj d] vk; kst d] fodkl kRed ifj; kstukvka ds izl/kd vkfn gkrk gA

DEVSIS ea l d'fyr i y[k ed; : i l s ifronu] y[k] n'; &J0; l kexh vls  
e'khu jhMsy MS/k ds : i ea gkrk gA MKVkd }kjk fo'k; kud kj] HkSkf yd] 0; fDrxr  
vFkok l ef'V y[k] kda l s l puk i kr dh tk l drh gA

DEVSIS dh d bnh; bdkbZ vl rjk'Vh; fodkl vuq Wkku d bnh vls/vkok gA  
d bnh; bdkbZ }kjk MKVkd dks 0; ofLFkr j[kk tkrk gA l e; & l e; ij MKVkd ea  
l fEefyr fd; sx; suohu i y[k] kadh dEl; Wj }kjk l ph fufeZ dj ml dh i fr; k i frHkxh  
l LFkka dks forfjr dh tkrh gA

**jk'Vh; I kekftd foKku izy[ku dñz (National Social Science Documentation Centre: NASSDOC)**

jk'Vh; I kekftd foKku izy[ku dñz ¼ksimz eal kekftd foKku izy[ku dñz dsuke I st kuk tkrk Fk½ dh LFki uk 1970 ea Hkjr; I ekt foKku vuq W/ku ifj'kn- ¼CSSR½ }kjk dh xbA dñz dh LFki uk I kekftd foKku {s- ds vuq W/kudrk/kadks 'kdk&I kexh v[; vU; I qo/k,ami yC/k djokus ds mnns; I s dh xbA

NASSDOC }kjk I UnHkz I kexh o 'kdk I kexh ,df=r dh tkrh g\$ ftuea Hkjr; fo'ofok|ky; ka }kjk vuqknsr vizdk'kr 'kdk izU/k rFk Hkjr ij gq fonskh 'kdk izU/k ICSSR rFk ICSSR }kjk I gk; rk i tr I kekftd foKku 'kdk I ÆFkuka }kjk yh xbz ifj; kst ukvka ds 'kdk ifronu] ICSSR }kjk ik; kstr I xk'B; ka v[; I Eesyuka ea iLr q 'kdk&i=] 'kdk dk;Z gsrq mi; kxh I ekt foKku if=dk,; vkfn izqk g\$ xLFki jd fu; U=.k gsrq NASSDOC }kjk 'kdk I puk J[kyk ds vUrxr fofHku xLFk I p; k; izdk'kr dh tkrh g\$ NASSDOC }kjk vUrxk'Vh; izy[ku I ÆFkuka dks Hkjr; I kekftd foKku ea izdk'kr if=dkvka dh

izy[ku I kexh I puk,; inku dh tkrh g\$ ikBdka dh ekx ij jpukRed xLFk I p; k; Hh inku dh tkrh g\$ ikBdka dks I qe izy[kh; I ok, a rFk fj i kxkQh I ok, a Hh inku dh tkrh g\$

**jk'Vh; I kekftd foKku izy[ku dñz ds izqk'ku (Publications of NASSDOC)**

1- ; fu; u fyLV vkD I kky I kba I hfj; kMMdYI ¼971½

I oñ Fke 1971 eabl I ph eavku/ka nsq] e[cb] fnYyh v[; duk/d ds xLFky; ka eami yC/k if=dkvka dks I phc) fd; k x; k g\$ uohure I ph ea4771 uohu if=dkvka ds vfHky[ k mi yC/k g\$

2- ; fu; u ds/kykk vkD I kky I kba I hfj; YI

ds/kykk ds32 [k.M izdk'kr gks ppsg\$ tks 17 jkT; ka v[; nks dñz/kfI r i nska ds550 xLFky; ka dsyxHx 31]125 if=dkvka v[; Øfed izk'kula dh tkudkjh inku djrs g\$

3- ; fu; u ds/kykk vkD U; it i s i l Z bu ngyh ykbcjht

bl I ph ea fnYyh ds35 xLFky; ka v[; I ekpkj i=ka eami yC/k 252 I ekpkj i st ka

dlk l pbc} fd;k x;k gA

4- egkRek xk/h fcfCy; kxkQh

bl Jd[kyk dk iFke [k.M ^ekgunkl djepUn xk/kf%, fcfCy; ksxzkQh\*  
ekulxkQ ds: lk eavkdy Hk'kk ea27 vDræj] 1974 dks izdkf'kr gqk FkA

5- fjVMMiSDVo D; eaySVo bUMDI vkQD bf.M; u l ksky l kbDI ihfj; kMMdYI

l ekt fokku {ks= ds fofHku fo'k; ka l s l EcfU/kr 240 Hkjrh; if=dkvædk p; u  
fd;k x; kA izdkf'kr [k.Mka ea ^bf.M; u , tædsku bUMDI \*} ^bUMDI Vwbf.M; u  
ihfj; kMMdYI \*} ^, fj; k LVMh fcfCy; kxkQht \*} ^bf.M; k bu 2000 , - Mh\* vkfn gA

### 1.4 fokku , oai kS kxch (Science and Technology)

oræku ; q l puk rdudh dk ; q gA vkt bUVjuS/ l puk i klr dk izdkf'kr dñz  
cu x;k gS, l seabUVjuS/ l sdS l puk i klr dh tk; s; g , d vkneh dsfy; spuksh  
Hkj dke gA oræku l e; eaykxkadh bl vko'; drk dks/; ku eaj [kdj os fMtkbujka  
usbUVjuS/ l pzbaitu cuk; sftudh l gk; rk l sfd l h Hh dhomZ ds}kj eukokñr l puk  
bUVjuS/ l s i klr dh tk l drh gA b.VjuS/ ij vud vklykbu fj l k l zt gksrga tksfd  
'Qh ; k i M\* rjhds l s i klr fd; stk l drsgA fodhi hfM; k b.VjuS/ ij mi yC/k , d 'Qh  
bul kbDyki hfM; k gSft l dsek/; e l svud rjg dh l kekl; o fo'k; fo'kSk dh tkudkj  
i klr dh tk l drh gA

oSKfud Kku dsfofHku {ks=ka tS sHkrdh j l k; u'kkL=} Hk&fokku] tho fokku]  
vksk/k] d f'k fokku vkfn {ks=ka eaoSKfud l puk dh l kef; d mi yC/k vR; Ur egROI wZ  
gA l puk i kS kxch dh fofHku 'kk[kkvka eavud U/ku dk; ZfujUrj nq xfr l sglsjgk  
gA fo'olRj ij uohu l pukvka ds vf/kxg.k] l xg.k] izU/ku vSj fodñhdj.k gsq  
fofHku jk'Vh; vSj vUrjk'Vh; 'kk[kkvk] l fFkukarFk l jdkjh fudk; ka }kj iz; kl fd; s  
tk jgs gA oSKfud Kku dh yxHx l eLr 'kk[kkvka ea {ks=h;} jk'Vh; vSj vUrjk'Vh;  
Lrjka ij l puk rU= LFkfir fd; stk pps gA

fofHku l puk rU= vSj l puk l k

dmz l jdkj dsfofHku oSKfud vSj i kS kxch fohkxka ds vUrxt- l puk rU=  
dk; j r gA dbZ vU; fohkxka dh xfrfof/k; k Hh oSKfud vSj i kS kxch {ks= dh ekuh

tkrh gñ budsvfrfjDr vusd Lok;Rr I ÆFkkukæ }kjk Hh I þuk ræ I þkfyf fd, tkrs gñ

1- Hkjr; d'k vud ðkku ifj'ln-(Indian Council of Agricultural Research : ICAR½

ICAR ,d Lok;Rr fudk; ds : i ea f'k{kk vlsj vud U/kku xfrfof/k; ka dks I þkfyf djrk gñ ICAR ds izkkl dh; fu; U=.k ea42 fof'k'V vud U/kku I ÆFkkuk] 4 dk; lã; ] 20 jk'Vh; vud U/kku dñz 9 ifj; kstuk funskky; vlsj vusd foLrkj dñz dk; þr gñ vusd iæ[k I ÆFkkukavlsj vud U/kku iz; kx'kkykvkadsxðFkky; kaeaveW; I æz gñ

2- ICAR ds xðFkky; ,oa I þuk dñz

ICAR ds xðFkky; mRre I þuk L=krkads: i eavR; Ur egROIwZ I ok, ainku dj jgsgñ Hkjr; d'k vud U/kku dñz (IARI) dk xðFkky; vR; Ur egROIwZ I þuk dñz gðft I eayxHx 3-5 yk[k izy[k I æzhr gñ IARI eayxHx 4800 uohu I kef; d izk'ku Hh iklr gkrs gñ Hkjr; i 'kq fpdfRI k vud U/kku I ÆFkkuk ds xðFkky; eayxHx 85]000 izy[k I æfgr gñ

3- j{kk vud U/kku ,oafodkl I ÆFkkuk ½Department of Defence Research & Development : DDR&D ½

DDR&D j{kk eU=ky; dk ,d foHkx gñ j{kk vud U/kku ,oafodkl I ÆFkkuk (The Defence Research & Development Organisation : DRDO) DRDO ds vUrxr yxHx 45 iz; kx'kkyk; adk; þr gñ tks I Ei wZn'sk eaLFkfi r gñ DRDO ds }kjk vL=&'kL=] midj.k rFk Hkjr; Fky I suk] ty I suk vlsj ok; d suk dsfy, vko'; d vU; I qo/kvkaeafodkl kRed I qkij ykusgrqvud U/kku vlsj fodkl dk; Zfd; stkrsgñ DRDO dh I eLr iz; kx'kkykvka ea I q; ofLFkr xðFkky; gðft I eamI iz; kx'kkyk I s I EcfU/kr {k= ij I 'kDr I æz gñ bu xðFkky; ka ds vfrfjDr ,d dñz; I þuk L=kr Hh LFkfi r fd; k x; k gðtks fof'k'V : i I s DRDO dh iz; kx'kkykvka dks vlsj I keW; : i I sj{kk eæky; dh I eLr 'kk[kvka dks oSkkfud vlsj rdudh I þuk inku djrk gñ ; g dñz; I þuk L=kr j{kk oSkkfud I þuk ,oa izy[k dñz ½Defence Scientific Information Center : DESIDOC ½ dgylrk gñ

**4- oKkfud vlsj vlsj kfxd vuq U/kku fodkl (Department of Scientific & Industrial Research : DSIR½**

I pūk L=krkadsnf"Vdlsk I sDSIR dsiez[k ?Wd oKkfud o vuq U/kku ifj"kn- (CSIR) rFkk jk'Vh; foKku ,oa iKs] kfxdh I pūk rU= (NISSAT) gA

1- oKkfud o vuq U/kku ifj"kn~(Council of Scientific & Industrial Research :CSIR )

2- CSIR ,d Lok; Rr I hFkk gS tks oKkfud vlsj vlsj kfxd vuq U/kku fodkl ds vUrxr dk; jr gA bl ds vUrxr yxHkx 70 jk'Vh; vuq U/kku iz kx'kkyk, h I gdkjh vuq U/kku I hqj I hFku o bdkb; k nsk ds fofHku Hkxka ea vuq U/kku dk; l ea 0; Lr gA CSIR dh dQ iz[k iz kx'kkykva ea jk'Vh; oKkfudh; iz kx'kkyk ckykj] jk'Vh; jkl k; fud iz kx'kkyk] iuk vlsj dsh; vskf/k vuq U/kku I hFku] y[kuA ds uke mYy[kuh; gA vf/kdkak iz kx'kkykva ea I hFkfi r xIFky; vlsj I pūk dsh gA dQ iz[k xIFky; ka vlsj I pūk dshka dk I h[tr foj.k fuEu izdkj I s gA

**5- Hkjrh; jk'Vh; oKkfud izy[ku dshz %bUI MKM½ (Indian National Scientific Documentation Center : INSDOC)**

orZku eaHkjrh; jk'Vh; oKkfud izy[ku dshz (bUI MKM½ dk ful dk ds I kFk foy; gls x;k gS rFkk u; h I hFkk ful ds j (NISCAIR : National Institute in Science Communication and Information Retrieval½ cu x; h gA

**1.5 v&vuqkfl r fo'k; (Non-Disciplinary Subjects)**

fdl h Hh I ekt dk fodkl ] 0; fDrxr thou ea I [kj] ml ds xk] ifjokj] 'kgj dk fodkl Kku ds mfr blrky ij fullj djrk gA

v&vuqkfl r fo'k; (Non-Disciplinary Subjects) ,d fof'kV {ks= gsrk gS ftl ea fd fo'k; dk vxq.kr nf"Vdlsk fn[kkbz nrk gA tS s ruko fo'ySk.k (Stress Analysis), e'hu (Machines), m"ekxfrdh ,oa m"eh; ra- (Thermodynamic and Thermal Systems), noh; ecfuDI (Fluid Mechanics), I eqh foKku (Marine Technology), ekVj dkj m|ks (Automotive Industries), ty foKku (Hydrology), rVh; vfHk; kf=dh (Coastal Engineering), i ; kbj.kh; vfHk; kf=dh (Environmental Engineering), Atkz rduhdh (Energy Technology), 0; ogkfj d (Behavioural

Studies), **efgyk v/ ; u** (Women Studies), **'kgjh fodkl** (Urban Development), **xkeh.k fodkl** (Rural Development) etc.

## **MKVkcd** (Databases)

**v&vuqkfl r fo'k; d** (Non-Disciplinary Subjects) **I puk mi yC/k djkus gsg**  
**dN iæqk byðVkfud MKVkcđ LFkfi r fd;sgš tksfd [kstdrkz dks ml dh vko' ; d**  
**I puk mi yC/k djkrsgš mnkj.k %**

### **1- , ; jkđđ MKVkcđ** (Aerospace Database)

**bl dh LFki uk 1962 ea dh xbz FhA ;g nks iæqk MKVkcđ LVkj** (STAR – Scientific and Technical Aerospace Reports) , **oavkbz , - , -** (IAA – International Aerospace Abstract) **dk ;kx gš ;g , ; jØK[V] Lid ] Lid ØK[V] , oal æf/kr fo'k;**  
**fo'k; d I puk mi ;kcdri&wkdks mi yC/k djkrk gš**

### **2- ck; kVĐukyktđ** (Biotechnology)

**bl esck; kVĐukyktđ , oack; kfc tuđ MKVkcđ rš kj fd;sx;sgš nksks fey dj**  
**ck; kVĐukyktđ fo'k; dsuohu {k-k, oamuds fodkl I sl æf/kr I puk mi ;kcdri&wkdks**  
**mi yC/k djokrs gš**

### **6-6 varjk'Vh; I æBu** (International Organizations)

**blVjuškuy QMjšku vkđ ykbcjh , I kfi , 'kui** (International Federation of Library Associations and Institutions - IFLA)

**bŋyk dh LFki uk 1927 ea dh x; h FhA bl ds oržeku I nL; k dh I ŋ; k 1]305 gš**  
**tks fo'o ds 132 nškđ I žka , oal LFk vk k dk ifrfuf/ko djrs gš ; jki ds 'kgj itx**  
(Prague) **ea tŋkz 1926 ea blVjuškuy dk Qđđ vkđ ykbcj; UI , .M cplyol z**  
(Conference International des Biblio the Caireset des amis du livre) **dk vk; kstu**  
**fd; k x; kA bŋyk dk I fpoky; oržeku eagx** (The Hague) **ea LFkfi r fd; k x; k gš**  
**bŋyk dk mnns ;** (Objectives of IFLA)

- (1) **xLFky; rFk I puk I okvksdfØ; kdyki kads I Hh {k-kadsfodkl ] vŋrjk'Vh;**  
**Klu] I g; kx] fopkj&foe'k] rFk vuđ akku dks i kŋl kfg r djuk]**
- (2) **dfež k dh I rr-f'k{k dks i kŋl kfg r djuk]**

(3) vürjk'Vh; {ks= , oavfhk: fp l sl EcfU/kr fo'k; kaeaxiFkky; h dyk , oafokku  
(Librarianship) ds ifrfuf/ko ds fy, , d l xBu@fudk; @ep inku  
djukA

(4) vudl izdkj ds xifkky; fØ; kdyki ka dks i krl kfg , oafodfl r djuk rFk  
mudh elxhf'kzk r\$ kj djuk l kf; dh; fooj.k l dlyr djuk ok<sup>3</sup>e; kRed  
vk/kj & 'l kefxz; ka dks vfhky; [kc) djuk vlg l Ei f'kr djuk vknA

bñlyk bu fØ; kdyki ka , oamnns; ka dh i frz grql eFku , oa i krl kgu inku djrk  
g\$ ft l l s l nL; & l kka dks fn'kk , oa vk; ke i krl gls l dA bu mnns; ka dk vfhki k;  
l koHNSedrk , oa 0; ki drk LFKfir djuk gA

bñlyk ds izc[k l koHNSed dk; Øe (IFLA's Universal Programme)

1- l koHNSed ok<sup>3</sup>e; kRed fu; a.k (Universal Bibliographical Control UBC)%  
fu; a.k dks dk; ðlor djus dk dk; Øe i krl fd; ka bl dh l Qyrk dsfy, bñlyk us  
; mtdks ds l kfk l fØ; dk; Øe viuk; ka

bl izdkj IFLA/UNESCO Programme of UBC dk y{; ok<sup>3</sup>e; kRed fu; a.k dsek; e  
l s vfhky; [ks@ izdk'kuka ds l koHNSed mi; ks , oafofue; dks i krl kfg djuk gA bl  
y{; dh i krl dsfy, ekud xifkRed fooj.k (Standard Bibliographic Control) rFk  
fo'k; 'kr'kzka dk oj.k rFk Lo: i dksfu/kjzr , oa l w(c) djus dh fn'kk ea bñlyk dk  
; kxnku jgk gA

bñlyk ds l koHNSed ok<sup>3</sup>e; kRed fu; a.k (IFLA-UBC) dk; Øe dh l Qyrk dsfy,  
tks pkj izc[k iz kl fd; sgA osfuEukidr gA%

(1½ vürjk'Vh; ekud xifkky; fooj.k (International Standard Bibliographical Description), 1½  
fo'k; & 'kr'kzka dk ekudhdj.k (Standardization of Forms of Headings) 1½ jk'Vh; ok<sup>3</sup>e; l fp; ka  
dks mlur cukukj ¼½; a-sk i Buh; ok<sup>3</sup>e; kRed vfhky; [ksa dk ekudhdj.k (Standardization  
of Machine-Readable Bibliographic Records) BehfM; e Veð dk; Øe ds vürx' bñlyk dk; [ks=  
ds: i ea bl fn'kk ea iz kl fd; k tkrk jgkA

2- izdk'kuka dh l koHNSed l yHkrk (Universal Availability of Publicaitons-UAP)

izdk'kr l kefxz; ka dks fdl h Hk'k' Lo: i] nsk , oadky dh gk mudks 0; ki d , oa  
i; krl : i l s l yHk fd; k tk; s ft l l s mudk mi; ks fd; k tk l dA bl s vkfFkd]  
l keftd] 'kfk.kd rFk 0; fDrxr fodkl ds fy, vko'; d ekuk x; k gA izdk'kr

I kefxz, ka ds vUrxr J0; &n'; I kefxz, ka rFk efnr I kefxz, k i frosukRed I kfgR;  
rFk if=dkvla ds vkys [ka dks I fefyr fd; k x; k gA

bl nfv I sblyk ds vUrxr izy [ka dks I j {k.k , oa I j {kk I azg , oa i pkj & i d kj]  
I Hh i d kj dh I puk dk i d kj rFk xLFky; , oa i jkl azgky; I okvla I s I EcfUkr I Hh  
I aBuka , oa I LFkuka dks I fefyr fd; k x; k gA

izk'kuka dh I koZKsed I yHkrk ds mnns; , oafØ; kdyki ka ea; ut dks , Q vkbZ  
Mh vkb I h , Hh viuh Hfedk vnk djrsgsvkj blyk buds I kfk I g; kx djrk gA ; w  
, ih dk y{; LFkuh; jk'vh; , oavUrxr'vh; Lrjka ij izk'kuka dks mi yC/k djkus dh  
ftruh ck/k, j gA mlganij fd; k tkuk gA

3- vUrxr'vh; ekdZ dk; Øe , oablyk dk ; kxnku (International MARC Programme  
and IFLA's Role)

vUrxr'vh; ekdZ dk; Øe dh mi ; kxrk , oa i pyu dk segROI wZ , oami ; kxh ekl;  
djrs gq blyk dk; & i fj'm- (IFLA Executive-Board) us bl s i kRl kfgR djus ds  
mnns; I si kxke eSst eV de'vh dh LFki uk 1979 eadh FkA bUVjus'kuy ekdZ i kxke  
ds I pkyu ds nkf; Ro ea blyk us Lohdkj fd; k gSfd bl dk; Øe dks fØ; kflor , oa  
I kdkj cukus ds fy, bUVjus'kuy ekdZ vKQI dh LFki uk djus ij tkj nrk jgk gA  
blyk ds iæ[k izk'ku (Publicaiton)%

- (1) IFLA Publication to date, (2) IFLA Journal, (3) ABHB : Annual Bibliography on the History of the  
Printed Book and Libraries (4) IFLA : Annual; (5) The Organisation of the Library Profession 1971,
- (6) Reading in Changing World 1972, (7) National and International Library Planning, 1974, (8)  
Divisional and Sectional Newsletters, (9) IFLA Medium Term Programme, (10) IFLA Directory.

bUVjus'kuy QMj'sku Qkj MkdveSV'sku (International Federation for  
Documentation-FID)

Ikly vkVyV , oayk QKIVsu usogr-vUrxr'vh; ok<sup>3</sup>e; I ph dk fuelZk i =dka ij  
I adfyr , oafufe'r djus dh ; kst uk r\$ kj dh FkA bu nksuka us I kelf't d foKkuka ds (ks-  
ds, d fo'kky I kfgR; dk I adyu fd; k Fk ft I ds i fj. ke Lo: i , Q vkbZ Mh dh ; kst uk  
i Yyfor gpa bUVjus'kuy bULVhV; W vKQI fcfy; kst Qh dh 1895 ea LFki uk ds i 'pk-  
I adfyr I kfgR; dks fo'k; kud kj 0; ofLFkr djus ds mnns; I s os , d , d h oxhbj.k  
; kst uk dh [kst ea Fks tks I gk; d fl ) gks I ds vlg I kfgR; dks vuØef.kdkc) djus



dsfy, , d vlrjkzVh; oxhZj.k dk dk; ZdjA bl sl Eilu djusgrqMKDVj eFYoy M; bZ  
}kjk fufeZr Mf hey Dykl hfQdsku dk mi; kx fd; k x; kA

fo'o ok<sup>3</sup>e; I pph (World Bibliography) :

, Q vkbZ Mh usi = dka ij vlrjkzVh; ok<sup>3</sup>e; I pph dk fuekZk djuk i kjEHk dj fn; k  
FkA ; g fØ; kdyki 1918 rd pyrkJgkA yfdu i Fke fo'o ; Ø dsfNM+ tkusdsdkj.k  
bl egRokdkqkth vlrjkzVh; ok<sup>3</sup>e; I pph dk dk; Z I ekRr dj fn; k x; kA

I kfgR; dh I nhkZ I ok (Literature Reference Service):

bULVhV; W dk nW jk egRo i wZfØ; kdyki rFk iz; kl fof'k'V izdj.kkarFk I eL; kvka  
I sl EcfU/kr I kfgR; I nhkZ (Literature References) dks i; kRr ek=k ea l afyr djuk  
FkA vr%bl izdkj dh foLr'r rFk xgu I ok dsvk; kstu gsrq, d I koHkSed xDFky;  
(Universal Library) dh vko'; drk dk vuHko fd; k x; kA

I hFk dk iqthbu (Revival of the Institute)

1931 ea bu bULVhV; W dk uke ifjofrZr dj bUVjuskuy bULVhV; W vWQ  
MkdewVsku dj fn; k x; kA iq%1938 ea bl si ifjofrZr dj bUVjuskuy QMjsku Qkj  
MkdewVsku (International Federation for Documentation-FID) dj fn; k x; kA ft I ds  
uke I s; g vc fo'ofol; kr gA bl dk eq; dk; ky; ca YI %SYt; e% I s gA (The  
Hague) ea LFkfir dj fn; k x; kA yfdu bl dk I hKRed Lo: i iWbr gh gA yfdu  
1988 I sbI dk ijk uke "International Federation for Information and Documentation"  
gks x; k gA

orZeku fØ; kdyki] mnns; rFk I xBukRed Lo: i (Present Programme  
Activities, Objectives and Organisational Structure)

, Q vkbZ Mh (FID) oLrqr%, d vlrjkzVh; 0; kol kf; d I ak gS tks I puk foKku  
rFk izy[ku {k= ds I eqk; I sl Ec) , oa l afBr gA ojh; rk dsvk/kj ij bl ds }kjk  
vk; kstr , oa I fu; kstr fØ; kdyki ds vYi dkyhu dk; Øe (Medium Term  
Programme) fuEukidr gA %

¼½ I puk foKku@izy[ku ds I S) kfuRd , oa hK'k oKkfud i {ka dk xgu v/; ; u , oa  
vuq dku rFk fof/k; ka , oa i fof/k; ka dk fuekZk rFk fodkl A

1/2 I þuk foKku dh i ksj kfxdh rFkk i fØ; kc) dj .k dsdk; Þekadk vk; kst u rFkk mudk fodkl rFkk vuq; kx]

1/3 I þuk fo' kskKkarFkk I þuk ds mi ; kxdrk/kadsf' k{k.k , oai f' k{k.k dk vk; kst u rFkk I gk; rk djuk]

1/4 I þuk i) fr] i fof/k; ka , oa u/odZ dh LFkki uk] i k: i , oa i zW/k ds vk; kela , oa dk; Þekadk vk; kst u]

1/5 mi ; kxdrk/kadh I þuk vko' ; drk rFkk i fof'V; kadk v/; ; u&v l0sk.k rFkk mi ; Þr fof/k; kadk i friknu djuk vkfnA

### I aBuRed fØ; kdyki

vudl dk; Þekadk fØ; klo; u grq , Q vkbZ Mh (FID) usvudl {k=h; vk; kxka , oa I febr; kadk I aBu fd; k gSft I eafuEukdr i æqk gS%

(1) FID/CLA Commission for Latin America; (2) FID/CAO Commission for Asia and Oceania; (3) FID/CAF Commission for Africa.

bu vk; kxka (Commissions) ea i R; d I febr; k gS tks bl ds vudl dk; Þekadk rFkk i fj; kst ukvka dks I Ei lu djus ds fØ; kdyki kadk vk; kst u djrh gA

(1) FID/CCC Central Classification Committee - ; Mhl h ds I ákku rFkk ifjo/kú grq 30 ; Mhl h I ákku I febr; k xfbR dh x; h gS tks bl ds fodkl grqvudl iz kl djrh gA

(2) FID/CR CI Classification Research - oxh dj .k , oavu þef .kdk dj .k ds {k= eavudl ákkuka dks i kú kfr , oa i k; kstr djuseabl I febr dh Hæedk egROI wZ gkrh gA

(3) FID/DT Terminology of Information and Documentation - I þuk , oa i zy[ku ds {k= dh i ksj kfxdh dh ifjHk'kd inkofy; k fof/k; k fl ) Wk k oLrq fLFkr , oa I eL; kvka dk vudl ákku rFkk budsmu; u dks i kú kfr , oavk; kstr djuseabl I febr dk ; kxnu egROI wZ gkrk gA

(4) FID/ET Education and Training - I þuk foKku , oa i zy[ku ds i f' k{k.k dh I eL; kvka , oa fof/k; kadk oLrq fLFkr dk v/; ; u rFkk mudk fujkdj .k djus ds {k= eabl I febr dk ; kxnu i æqk gkrk gA

(5) FID/II Information - for Industry m | kxka ds {k= ea vUrr% mi ; kxdrk/kadh i zy[ku@I þuk vko' ; drkvka dks Kkr , oa I fuf'pr djus grq I þuk I æg] eW; kdu

fopkj&foe'k] fof/k; ka vkn ds fy, , d vlrjkZVh; 0; kol kf; d ep (Forum) inku  
djus ds {ks= eabl I febr dk ; kxnku gkrk gA

(6) FID/IM Informatics - I puk foKku ea xf.kr ds vuq; z, kx dh fof/k; ka rFk I k/kuka ds  
eW; kadu gsrq vlrjkZVh; ep dh LFki uk djuka

(7) FID/LD Linguistics in Documentation - Hk'kk foKku dh n'V I sl puk foKku dh I eL; kvka  
dk v/; ; u , oavud /ku I pkfyr dj mudk gy fudkyuk bl I febr dk nkf; Ro gA

(8) FID/PD Patent Information and Documentation - iV/V dh izy[ku I ok dks Rofjr , oa  
I pukin cukus gsrq budk vf/kdkf/kd mi ; kx fd, tkus ds {ks= eabl I febr dks  
vko'; d izkl djus dk nkf; Ro fn; k x; k gA

(9) FID/RI Research on Theoretical Basis of Information Science - vU; oSKfud fo'k; ka ds  
ifji; , oa i nhZ eal puk foKku ds I S kUr d i {ka , oavk/kjka ds {ks= eavud akku ds  
ek; e I sfl ) Wkrka dk fodkl , oafriknu djuk rFk , d sck; Deka dks i kRi kgr djuk  
bl I febr dk nkf; Ro gA

(10) FID/SD Social Science Documentation - I keft d foKkuka ds {ks= eavk/kdkf/kd I puk  
vko'; drk dh i frZ rFk izy[ku I okvka ds vk; kstu gsrqfØ; kdyki ka dk vk; kstu rFk  
I okvka ds I ehur cukus dk nkf; Ro bl I febr dk gA

fodkl foKku I puk izkkyh% Mofl I (Development Science Information  
System: DEVSIS)

fdl h Hh nsk dk jk'Vh; fodkl oSKfud , oa i kS] kx dh; I puk ds vf/kdkf/kd  
mi ; kx ij fuHj djrk gA ftl s oSKfud , oa i kS] kx dh; I puk vk/kj dgrs gA; g  
eksyd rFk 0; kogkj d fo'k; ka I s tMk gpk gS ftl s muds vuq akku ds ifji; , oa  
volFk ea vko'; d ugha ekuk tkrk gS cfYd muds fu; kstu fodkl ] vfoHkz vj  
I jpuRed n'V I sbl dk v/; ; u vko'; d gkrk gA

ekpZ 1975 eabV juskuy ysj vkkZukb tskuj ftusk ds rRoko/kku ea, d v/; ; u  
ny us I keft d vkfkd fodkl ds {ks= dh vlrjkZVh; I puk izkkyh dh I EHkouk dk  
dk; Z ikjEHk fd; k FkA ftl izkkyh dks LFkfir djds ifronu r\$ kj fd; k x; k ml s  
^MoyieW I kbUl buQk]e\$ku fl LVe\*\* dgrs gA  
bl izkkyh ds iedk {ks= fuEkd r jgs g%

1- I 1Fkfir dh tkusokyh izkkyh dh vko'; drk] 2- vfhkKku vko'; drk dh i frZ grq izkkyh dk {ks-} 3- izkkyh ds?Wdka dk fo'yšk.kkRed v/; ; u] 4- I xBukRed i {k] -5 okrkoj .k] 6- izkkyh dk vkfFKd i {k] 7- fodkl kRed dk; Zde] 8- ; kstuk rFk I 1rfr ds fdz kko; u ds iz; kl A

mís; (Objectives)

1- ykxkadsvudsi zdkj dh fo'kerkvadksl ekir dj 'kkfir , oal ef) ykusdsfy, uohu I keftd&vkfFKd 0; oLFk rFk uohu i) fr dk fuekZk vko'; d gkrk g\$

2- uohu I keftd&vkfFKd 0; oLFk dsfy, jk'Vh I xBuk I 1Fkvkaeal g; kx] I gdfjrk vkj I kefgd iz; kl ka dh vko'; drk gkrh g\$

3- I keftd vkfFKd <kpsea ifjorZu ykusdk I okike , oal 'ka I k/ku Kku g\$ ft I ea I gHkfxrk Hh , d vko'; d ?kVd g\$

4- Hkrd I e'f) dsfy, Kku&iz kj rFk I puk dh 0; oLFk dh {kerk vfr vko'; d g\$

5- orZeku I eišk.k rFk ifjogu dh 0; oLFk rFk i) fr; k I e; rFk njih dh dfBuk; k; dksnj djusea i; kir I hek rd I gk; d g\$

Mofl I dh LFkku uk , oa vko'; drk ds fy, blgha vk/kjka ij v/; ; u ny us fuEkd r I 1rfr , oa vksR; izLr fd; k Fk%

^; g izkkyh I keftd&vkfFKd {ks- dh I puk dh vUrjk'Vh; {kerk dh nf'V I s I 0; ofLFkr ekuo Kku , d I eku forj.k vkj I gHkrk ea I gk; d fl ) gkxh vUrjk'Vh; vkfFKd&I keftd I 0; oLFk dsnh?kxkeh , oa vkoriz fodkl ea v0; oLFk dh fLFkr tks I kolked g\$ dh I qkjus dh rRdkfyd vUrjk'Vh; vko'; drk dh vuuko I oZ- fd; k tk jgk g\$\*\*

; ykus/%; yki h; vkfFKd I epk; I puk us/odZ (EURONET: European Economic Community: Information Network)

1975 ea deh'ku vkQ nh ; yki ; u bdkukRed dE; quVh rFk bl ds uk I nL; jk'Vka dsnj I pkj i kf/kdj .ka us , d vuqLk dks Lohdkj fd; k ft I dk y{; uk jk'Vka dsnj I pkj i kf/kdj .ka }kj VsyhdE; qhdskul I puk us/odZ grq, d Hkrd okgd dks fufeZ djuk FkA bl VsyhdE; qhdskul us/ dks; ykus/ ds I a{kr uke I stkuk tkrk g\$ tks oLr-%, d vklykbu I puk us/odZ g\$ ft I s; yki ; u dE; quVh us/odZ Hh djrsg\$

bbh (European Economic Community) ds vk; l; rFk bbh h des/h QKJ  
buQJjesku , .M MKWesVsku vku I kbUI , .M VDUkykth ds }kjk I fefyr iz kl I s  
r\$ kj dh x; hA bl ; kstuk dh i fke nh?kdkyhu ulfr dksbbh h dsfy, vk/kfud I puk  
0; oLFk dsfy, i kjEHk fd;k x; kA bl dsy{; dks Mk; jDVj tujy vkQ nh deh'kuI  
Mk; jDVV tujy QWj nh I kbUVfQD , .M VDUhdy buQJjesku , .M buQJjesku  
euteSV usfu/kfjr fd;k gSftI dsvuq kj& ^; jki h; I epk; dsnskadh iedk I E ink  
ds: i eatksOKkfud] ikfof/kd rFk I kekftd vkfFkd I puk gsmI s I nL; jk'Vka ds  
mi ; kxdrkz tgg dgh Hh glamlgamI dk 0; ; djus ij I yHk djuk gA\*\*

### 1.7 I koHked I puk ra (Global Information Systems)

; ukb/M usku (United Nations – UNO) I g; kxRed I puk uVodZ gsrq I eLr  
nksdse/; , d mfr <kpk r\$ kj fd;k g\$ ftI ds varkr I puk dk I xg.k fodnr  
(Decentralised) #i I sgokj dh; Wj dsek/; e I sl puk dk I d k/ku dnh; (Centralised)  
#i I sfd;k tkoxk , oamI I puk dk forj.k i q% fodnr #i I smi ; kxdrkz dh rjQ  
I sfd;k tk; xkA

I koHked I puk ra (Global Information Systems), tS sbful (INIS) , fxd  
(AGRIS) tksfd ; ukb/M usku (United Nations – UNO) }kjk ik; kstr ra g\$ eslh  
I puk dk I xg.k I d k/ku , oaforj.k ml h #i I sfd;k tkrk gA  
bful %bUVjuskyu U; fidfy; j buQJjesku fl LVe (INIS: International Nuclear  
Information System)

bful vk.kfod foKku , oa 'kfä; ka dks ekuoh; dk; ka dsfy, 'kfuI iwz <x I s  
mi ; kx djus dsfy, dEI; Wj dk vuq; kx dj I puk id kj rFk izy[ku I okva ds  
vk; kstukFkz , d I gdkjh ; kstuk gSftI esbUVjuskyu , VKed buthZ , tSI h rFk bl ds  
I nL; jk'Vka dks I g; kxkFkz I fefyr fd;k x; k gA bUVjuskyu , VKed buthZ , tSI h  
dk bl ds I Ei wkz dk; bZka , oa fdz; kdyki ka ea i kjEHk I s gh I puk I xg RfFk id kj  
izy[ku@I puk I okFkz vk; kstu , oa i kBI kgu , d vko' ; d fdz; kdyki jgk gA  
, srgkI d i "Bhke (Historical Back ground)

vUrjZVh; ijek.kq Atkz , tSI h dh LFki uk 1957 ea I a qä jk'Va I ak }kjk dh  
x; h vlg bl dh I LFki uk ds ckn ea bl ds vUrxr fMohtu vkQ I kbUVfQd , .M

VSDudy buQWjesku dk xBu fd;k x; kA bl foHkx us vuds o'ka eamä , tBl h , tBl h ds musd foHkxka ds l kfk e[; dk; ky;] fo; uk ds l kfk , oa l g; kx l &, d xlfky; dh LFkiuk dj , tBl h rFk l nL; jk'Vka dks bl dh l ok; mi yC/k dh gA izkf'kr l puk dsok<sup>3</sup>x; kRed vuq dku dsl Eilu fd;k gSrFk l nL; jkT; kadsbl ds ifj.kkela l svoxr dj;k; k gA 1962 eavUrjkZVh; ÅtKZ , tBl h us la qä jkT; vesjdk rFk l kfo; r l ak ds l g; kx rFk l gk; rk l s i jek.kq ÅtKZ ds mi; kx ds fy, l puk 0; oLFk , oa iz kj grq bful dh LFkiuk dh ; kstuk dks l kdkj : i inku djus grq i k j fEkd : i j [k dks i Lr q grq bful dh LFkiuk dh ; kstuk r\$ kj dh vlg 1968 eavUrjkZVh; dk; hy usbl ; kstuk dh l kdkj : i inku djus grq i k j fEkd : i j [k dks i Lr q fd;kA 1968 eabful dh LFkiuk vlg fdz k lo; u dk i Lrko , tBl h ds l fpoky; vlg l nL; jk'Vka dsnks o'ka ds v/; ; u ds i 'pkr~1969 ea , tBl h ds ckZ vk d xoul Z dks i Lr q fd;k x; k ft l s 1970 ea i k j fEkd n'v l s fdz; kflor djus dh Lohdr inku dj nh x; kA 1969 ea k j l fgr 20 jk'Vka eabful dh LFkiuk ds fy, l g; kx djus dk vk'okl u inku dj fn; k FkA

bful dh vo/kkj.kk , oa {k= rFk l puk l xz

bful l simozukfhdh; vlg izs kfxdh dh vUrjkZVh; l puk izkkyh dk vHko Fk vr%bl svUrjkZVh; l puk izkkyh dk vHko Fk vr%bl svUrjkZVh; Lrj dh i fke l puk izkkyh dh l k k nh tk l drh gA vr%bl dh : i j [k] dk; izkkyh] Lo: i , oa {k= l fuf'pr djuse avUrjkZVh; dk; hy dks , d puf'pr dh l keuk djuk i Mk FkA bl ds l pkyu , oa fdz k lo; u ds l e; bl ds fo'k; dh ifjHk'k vlg {k= ds vuq kj ifro'kZ 60]000&1]20]000 vkys [k dks l puk c) djus dh ; kstuk dh x; h Fk ft l s , tBl h ds 'kl h ifj'kn ds dz'k%fdz; kflor djus dk funž k fn; kA

i k j fEkd pj.kk eabful eavufnr l kfgR; dks l fEefyr djus dh ; kstuk ugha FkA cfYd ek= ekfyd l kfgR; dks gh l fEefyr fd, tkus dks vko'; d ekuk x; k FkA vr%l EcfU/kr l kfgR; {k= dks 85000&90000 vkys [k dks ifro'kZ l puk c) djus dk izkl jgk gS ft l dk 80 ifr'kr l kfgR; ukfhdh; foKku rFk izs kfxdh ds {k= ea vR; Ur fodfl r l kr ns kka l s gh i k r gkrk jgk gA ukfhdh; l kfgR; ds izy [ku dk; kA , oa l okvka dks vk; kstr djus dh bful , d fof'k'Vhd'r l puk izkkyh gS tks ukfhdh;

foKku vlg i&|ksxdh dh I p̄uk dks v̄urjkZVh; Lrj ij I Hh ns̄kkaeaiz k̄jr djrh ḡa  
bful oLr̄%, d I gdkjh iz kl gSftI eabUVjuškuy , V̄kfed buth̄rFk I Hh I nL;  
jk'Va ukf̄kdh; I kfgR; ds d̄b̄h; ok<sup>3</sup>e; k̄Red fu; æ.k dsfdz; kdyki k̄eaI fdz; H̄k̄edk  
vnk djrsḡa tksfod̄b̄h; <æ I s I nL; jk'V̄ka dsfuos̄k ij vk/k̄jr ḡrk ḡa

44 I svf/kd I nL; jk'V̄kavlg 12 v̄urjkZVh; ,oa{ks-h; I æBuka}kjk d̄æc) : i  
I sukf̄kdh; I kfgR; dk fo'yšk.k dj bful dksok<sup>3</sup>e; k̄Red fuos̄k inku djrsḡaftlga  
; æsk i Buh; ekLVj Okby eafufēr dj I ḡh̄k fd; k tkrk ḡa

bful dk mn̄s̄; (Objectives of INIS)

1. fo'o ds I Hh ns̄kkaeaiz ȳ[ku vk.kfod I kfgR; dk I æg djuk rFk budka  
I k̄k̄k̄c) ,oa v̄ūp̄æf.kdkc) djuka
2. v̄urjkZVh; Lrj ij izȳ[ku rFk izȳ[k I p̄uk i q̄īk̄l̄r I ok dk vk; k̄st̄u djuka
3. vuq̄ akk̄ka ds ifj .kk̄ka rFk fu'd'k̄k̄ dh i H̄k̄odkjh mi ; k̄xk̄Fk I g; k̄xh jk'V̄ka dks  
I p̄uk inku djuka
4. I p̄uk I æg fod̄b̄h; dj.k dh ufr; k̄a dk vuq̄kyu djuk rFk I p̄uk i d̄ kj ds  
fy, fo; uk fLFkr bful ds e[; d̄b̄h; }kjk I ḡh̄k I okv̄ka dk mi ; k̄x djuka
5. dEI; W̄jka dk mi ; k̄x djusgr̄qekudka dksfu/k̄j̄r djuk rFk ml dsfu; ek̄a dks  
fufēr djuka
6. ; æsk i Buh; I p̄uk I ok dks vk; k̄t̄r ,oa I ḡh̄k djuk rFk foLr̄r rFk i w̄k̄  
ok<sup>3</sup>e; k̄Red vk/k̄j I kefxz; k̄a dh c̄d̄ dh LFki uk djuk vk̄f̄nA

vuq̄ izdkj ds̄ēx̄ūs̄Vd V̄i k̄a rFk fp̄uḡk̄dr i =d̄ka dsvk: i k̄a rFk bul s I ȳ[ka  
dksfufēr djusdsfu; e djusH̄h fufēr fd, x, ḡa ukf̄kdh; {ks-k̄adsdEI; W̄j vk/k̄j̄r  
i q̄īk̄l̄r izk̄yh dsfy, fo'k; fu; æ.k gr̄q; j̄v̄e }kjk fod̄f̄l r 'k̄n̄koyh dk I æg fd; k  
tkrk ḡa

v̄urjkZVh; d̄f'k foKku ,oa i k̄|ksxdh I p̄uk izk̄fy; k̄ (International  
Information System for Agricultural Science and Technology - AGRIS)

fdl h Hh ns̄k dh vF; k̄&0; oLFk dk Hh , d i æ[̄k vk/k̄j oḡk dh d̄f'k vlg  
H̄k̄e&i) fr Hh ḡr̄h gSftI dh I q̄; oLFk ns̄k dsfodkl dk e[; vk/k̄j ḡrk ḡa H̄k̄j̄r  
ead̄f'k vuq̄ akku dk okL̄rfod chtk̄j̄k̄ .k 1889 eaḡq̄k ekuk tkrk ḡstc I ōi Fke fcfV'k

'kkl udky eadfr'k dh ixfr dsfy, i uk eabEihfj; y cDVhfj; kykthdy fjI pZyskjVh dh LFkki uk dh x; h FkA 1928 eajkWy deh'ku vkW , xhdYoj dh I arfr dsvk/kkj ij bEihfj; y dkmfUI y vkW , xhdYpjy fjI pZ dh LFkki uk dh tksHkjr dsdf'k ds{ks- ea I fdz; vlg mis; iwz vuq akku djusdk , d dhfrzku o'kz FkA

I a qä jk'V<sup>a</sup> I ak dh , tBl h QM , .M , xhdYpj vkkZukbt'sku I Hh ns'kkaea [kk | inkFkka vlg df'k eafodkl rFk mlu; u gsrqvuds iz'kd uh; dk; Zdj jgh gA bl sdf'k rFk I EcfU/kr fo'k; ka ea vuq akku dks vf/kdkf/kd i kRl kgr fd; k tk jgk gA bl fdz; kdyki dks I Qy rFk mi ; ksh cukus gsrq fofHku izdkj dh I puk dh vko'; drk gkrh gA

ifj.kker%QM , .M , xhdYpj vkkZukbt'sku }kjk df'k foKku rFk i kS kSxdh I s I EcfU/kr I puk iz'k j] I Eis.k.kj vknku&inku dh ifdz; kvla , oa I okvka dks xfr'khy cukus vlg bl {ks- ea izys[ku@I puk I okvka ds vk; kst u gsrq 1970 ea buVjuškuy buQkJešku fl LVe QkWy nh , xhdYpjy I kbUI st , .M VDUkykth dh LFkki uk dh x; hA bl sl s{kir uke , fxd I svf/kd tkuk tkrk gA bl dk y{; fo'ksk izdkj I sfodkl 'khy ns'kka ea dk; jr df'k oSkfudk@fo'kskKka rFk vuq akkudrkz/ka dks okNn I pukin tkudkj dh dks 'k?kfr'k?kz inku djuk jgk gA

### , fxd dh iedk fo'kskrk, i (Charecterstics of AGRIS)

1. ; g , d vUrjkzVh; I gdkjh df'k foKku I puk izkkyh gS tksfofHku ns'kkj jk'VkarFk vUrjkzVh; I hFkvladsLoSPNd I g; kx] I gdkfjrk vlg ; kxnu ij vk/kfjr gA
2. ; g dEl; Wjhd'r I puk I xzj rFk i qiz'ir izkkyh gA
3. bl I puk izkkyh eal fefyr dh tkusokyh I puk I kefxz; kadk I adyu vlg p; u LFkkuh; Lrj ij jk'Vh; rFk {ks-h; fuosk d'bnka }kjk fd; k tkrk gA vr% ; g izkkyh vf/kdkkr%fod'bnhd'r fl ) kUr ij vk/kfjr gA
4. , fxd , d vuqdef.kdkdj.k I ok I kef; dh ekfI d izdk'ku ds: i eaidkf'kr djrk gA
5. fo'k; &vuqdef.kdkdj.k dsfy, i ; k; okph 'kOnkuqdef.kdk dk mi ; kx fd; k tkrk gA



6. ,fxl ,d mÍs; Red I þuk izkkyh gSftI ea I þuk 0; oLFk rFk izU/k ds fy, I þuk foKku dh vk/kfudre fof/k; kavlj mi dj. ka dk mi ; kx fd; k tkrk gA
7. ,fxl I þuk izkkyh ea I þuk fuošk ds fy, mi ; ä ekudlj ik: ila ,oa fu; ekofy; ka dls fodfl r fd; k x; k gS ftI dk vuq j.k foHku dlnka }jk ,d: irk rFk I E; rk LFkfi r djus ds fy, fd; k tkrk gA
8. ,fxl dsl g; kxh nškarFk I aBuka eadk; jr xLFkyf; ; kj iy[ku fo'kskKa ,oa I þuk oSkfudka dks v | ru j [kusgrqmuds if'k(k.k I e; & I e; ij mlga inku djus ds dk; Zeka dk Hh vk; kstu fd; k tkrk gA

### 1.8 I kjak (Let Us Sum Up)

bl bdkbz ds v/; ; u I sl keftd foKku] ekufodh] foKku] I sl af/kr iz[ k I þuk I k kj iy[ku dlnka I þuk ra-kavkn dh foLr'r rFk I el kef; d tkudkj ikr gkxh bl bdkbz ea iz[ k jk'Vh; ] vUrk'Vh; vlg fo'o Lrjh; I þuk ru=ka dk Hh o.ku fd; k x; k gA vlg mudh iz[ k xrfof/k; kaij Hh izdk'k Mkyk x; k gA bl bdkbz ds v/ ; ; u dscn i rdly; ,oa I þuk foKku ds Nk= Lo; adks I keftd foKku] ekufodh] foKku] I sl af/kr I þuk I ok inku djuseal {ke ik, xA

### 1.9 Lo&tlp vH; kl (Self-check exercise)

- 1- ekufodh dh ifjHk'k nšsgq] ekufodh ds {k= eadk; jr I þuk dlnka dh 0; k[; k dja
- 2- Hkj r ea I keftd foKku dsl þuk dlnka ra-k, oadk; Zeka dh mi ; kxrk ij y[ k fy[ka
- 3- Xyky I þuk ra- dk foLr'r o.ku dja
- 4- Hkj r ea LFkr iz[ k vUrk'Vh; I aBuka ij y[ k fy[ka
- 5- fuEu ij foLr'r y[ k fy[ka
  - 1- ,Q-vkbz Mh (FID)
  - 2- Mofyl (DEVSI)
  - 3- bful (INIS)
  - 4- jk'Vh; I keftd foKku iy[ku dlnz (NASSDOC)
  - 5- bQyk (IFLA)

1-0 fo"K; i DSk

1-1 mÍŠ;

1-2 fo"K; oLrq fo'yŠk.k

1-3 fo"K; oLrq fo'yŠk.k ds pj.k

1-4 I puk dk mi HkDrkdj.k

1-5 m)j.k fo'yŠk.k

1-6 I puk dk mi ; kx

1-7 I kjk&k

1-8 Lo tkp vH;kl

**1-0 fo"K; i DSk (Introduction) &**

fdl h Hkh {ks= ea KkuktU dk i Fke I ki ku I puk g& I puk ds vHkko ea dkbZ Hkh v/  
; ; u] vuq akku vks fodkl dk dk; DDe I Qy vks I kFkd ugh gks I drkA orZeku  
vk/kfud I ekt ds i R; id {ks= & vkFkd] I kekt d] I kdfrd] 'ks[kf.kd] vks] kfxd]  
LokLF; &fpfdRI k] dF"K] foKku & i ks] kfxd tu I g {kk vkfn I Hkh dk vk/kkj vks  
fodkl I puk ij gh fuHkj djrk g& I puk dh ek& , d fuEu Lrj 0; fDr I sydj  
, d mPp Lrjh; fo' kŠkKk& oSkfudka vks 'kks/kdrkZvka rd fujUrj c<rh jgrh g&  
rFkk blgs fofHkUu I puk L=krka dh I gk; rk I sfdl h Hkh I puk dh 'kh?k&k 'kh?kz  
tkudkj h i klr dh tk I drh g& I puk fd [kst grq fofHkUu rdudks dks iz, ksks ea  
yk; k tkrk gS tS sfo"K; oLrq fo'yŠk.k] m)j.k fo'yŠk.k vkfn tksfd mi ; kxdrkZvks  
ea I e; cpkus ea I gk; d fl ) gkrs g&

**1-1 mÍŠ; (Objectives)-**

bl bdkbZ dk v/; ; u djus ds i 'pkr vki fuEu fclnq/vks dh foLrR tkudkj h  
i klr dj I ds&

& I puk L=krks dk mi HkDrkdj.k

- & fo"k; oLrq fo'yšk.k
- & m)j.k fo'yšk.k
- & l pūk ds i k; kfxd {ks=

## 1-2 fo"k; &oLrq fo'yšk.k (CONTENT ANALYSIS )

### vfkZ , o {ks= (Meaning and Scope)

fo"k; &oLrqdk rkrī ; Zl kekU; r%fdl h 'kh"kd ; k fo"k; l s l EcflU/kr i ysq[ ea of.kr fopkja l s gkrk gā fo"k; &oLrqfooj.kkRed] 0; k[; kRed]vUošk.kkRed] i z ksxkRed] dYi ukRed vFkok jpukRed gks l drh gā fyf[kr l pkj dks i <dj vFkok 0; k[; ku dks l udj ; k rF; ka dks voykdu djus ds i 'pkr-mi dh vfuok; Z fo"k; &oLrqdk l f{krhdj.k ; k vfhkys[kka vks] Kku ds fo'yšk.k gsrqfd; k x; k Je gh fo"k; &oLrqfo'yšk.k gā bl dk l cak 0; fDr; ka ds v/; ; u l s gā vfkZ fo"k; oLrqfo'yšk.k , d l pkj i fØ; k gā ftl eafdl h mīś ; dh i firZ gsrq l UnskdrkZ }kjk l EHkkfor mi ; ksxdrkZ rd l Unskka dk LFkkukarj.k fd; k tkrk gā

fo"k; oLrqfo'yšk.k , d i fØ; k gsftl ds }kjk fdl h rF; dk voykdu ; k 0; k[; ku vFkok i ysq[ dh jpuk ; k mRi knu fd; k tkrk gā bl dk mīś ; ; g vupeku yxkuk gsfd l mśk D; k gS\ vks] mi ; ksxdrkZ/ka i j mudk D; k i Hkko i Msk\ i qrdky; vks] l pūk foKku ds {ks= ea fo"k; oLrqfo'yšk.k dk rkrī ; Zfdl h Hkh Hkkšrd Lo: i ds i ysq[ vFkok cks) d fo"k; oLrq ds 0; oLFkki u l s gš rkd mi ; ksxdrkZ/ka dks muds l pūk L=kr dh l gyHk mi yfc/k gks l dā

### 1-3 fo"k; oLrq fo'yšk.k ds pj.k (Steps of Content Analysis )

¼d½ fo"k; l s l af/kr rF; kadk puko & fo"k; oLrqfo'yšk.k dh i kFkedrk l UnfhkZ rF; ks ds puko dh gsrh gā ftu rF; ka dks ge fo'yšk.k dsfy, pūrs gā mudh l ph rš kj djuh gsrh gā tš } ; fn fdl h mi U; kl dkj }kjk jfpr muds mi U; kl ks dk fo"k; oLrqfo'yšk.k gesdjuk gSrks l oā Fke geaml ds mi U; kl ka dh l Ei wkZ l ph rš kj djuh gsrh

¼k½ v/; ; u dh bdkbZ ka dks pūk & fo"k; oLrqfo'yšk.k dh bdkbZ, kM' kCn] okD; ]

vu[ŋNŋ] i d æ] i k= LFku ; k l e; dŋ Hkh gks l drk gŋ bu bdkb; ka dh l pŋ cuk yuh gkrh gŋ budh l pŋ cukus ea ; Fkk l biko fdl h fuf'pr Øe dh l gk; rk yuh gkrh gŋ

**¼½ bdkb; kadk Jf.k; kaefoHktu&** , d ckj bdkb; kŋfdl h dæ l sfuf'pr dj yh tkrh gŋ rks mŋga l bkkfor Jf.k; ka ea foHkkt r dj cMŋ bdkb; ka dks ge Nks/h mi bdkb; ka ea foHkDr dj yrs gŋ

**¼½ Jf.k; kadk i jh{k.k&** Jskh l pŋ eanh xbZ i R; d Jskh dk ge i jh{k.k dja vkŋ ns[kafd osfo'ol uh; vFkok l kFkd gŋ Hkh vFkok ugha , oa Jf.k; ka ds l R; ki u l biko gŋ vFkok ugha vuŋ U/kku ea Jf.k; ka ds i jh{k.k dsfcuk i gysgh dŋ eki n. Mka dks fuf'pr dj yuh gkrk gŋ bl i dckj l eku eki n. Mka ds vk/kj ij l Hkh Jf.k; kadk i jh{k.k l biko gks l drk gŋ

**¼½ v/; ; u : i j{k l jpu&** bl l jpu dks rŋ kj djus ea gekjk vfHki k; ; g gkrk gŋ fd oLrŋLFkr fo'yŋk.k drkZ bl ckr l sfu'fpr gks l ds ml sfd u&fdu fo" k; ka i j /; ku dŋŋr djuk gŋ

**¼½ oLrŋLFkr dh bdkb; kadk eki u&** ; Fkk l biko fo'yŋk.k dh bdkb; ka dk l kŋ[; dh; i fof/k; kŋ}kjk eki u] x.ku , oa vfHk; fDr] oŋkfud fo'yŋk.k dsfy, vko'; d gŋ bl i dckj ds v/; ; uka ea fo'kŋk : i l s i fiek.kkRed eki u vko'; d gkrk gŋ

**¼½ fo'yŋk.kRed 0; k[; k&** fo" k; oLrŋfo'yŋk.k dh bdkb; ka , oa Jf.k; ka ds i fiek.kkRed eki dj yus ds i 'pkr~budh fo'yŋk.kRed 0; k[; k muds mfpr oxh d j.k , oa l kj.kh; u l sgh l biko gks i krh gŋ fo'yŋk.kRed 0; k[; k ds }kjk rF; ka ea 0; klr l ekurk, ŋ, oa foHkUurk, ŋLi "V gks tkrh gŋ

**¼½ ifronu rŋ kj djuk&** oLrŋLFkr fo'yŋk.k dsfy, rF; kŋ bdkb; kŋ Jf.k; ka ds pŋko , oa i jh{k.k rFkk fo" k; oLrŋ dh bdkb; ka ds eki u vkŋ fo'yŋk.kRed 0; k[; k djus ds i 'pkr~v/; ; u ds l Ecl/k ea vŋre i fronu rŋ kj fd; k tkrk gŋ i fronu dh rŋ kjh ea dæc) rk vko; d gŋ bl ds vŋrxr ge fo'yŋk.k kadk oŋkfud foj.k nsrs gŋ mudh 0; k[; k djrs gŋ rFkk ; Fkk l biko l kfj.kh] xtQ ; k fp= ds ek/; e l s fo'yŋk.k dks i Lrŋ djrs gŋ

**1-3-1 i qrdky; , oa I p u k fo K k u e a fo "k; & o L r q fo 'y s k . k & i q r d k y ; v k s**  
I p u k fo K k u e a fo "k; & o L r q fo 'y s k . k d s } k j k I p u k I o k v k a d k c k s ) d  
0; o L F k k i u f d ; k t k r k g a i z e k : i I s f u E u f y f [ k r I o k v k a e a fo "k; o L r q  
fo 'y s k . k d k m i ; k s x f d ; k t k r k g &

(i) **I p u k I a z g . k v k s i q i k l r** (ii) **v u o e . k d j . k**

(iii) **I p u k m R i k n v k s I o k , W** (iv) **i z U / k u** (v) **m i H k k o r k v / ; ; u**

#### **1-4 I p u k d k m i H k k o r k d j . k (Costumisation of Information )**

f o f H k k u t u I e n g k a d k s f o f o / k I m H k k z e a f o f H k k u i z d k j d h I p u k v k a d h  
v k o ' ; d r k g k s h g a I p u k , W f o f o / k L o : i k a e a m i y c / k g k s h g a m i H k k o r k v k a d h  
I p u k v k o ' ; d r k v k a d h t f v y r k v k s m i y c / k I p u k v k a d h x q k k R e d o f ) d s  
Q y L o : i I p u k d k m i H k k o r k d j . k v R ; U r v k o ' ; d g k s x ; k g a y s [ k o k a } k j k  
v f H k f y f [ k r I p u k , W i f = d k v k a ' k k s / k i = k a r d u h d h i f r o n u k a I E e s y u i = k a ' k k s / k  
i z U / k k a i s / s V ] e k u d v k f n : i k a e a m i y c / k g k s h g a I p u k f o L Q k s / d s d k j . k  
m i ; k o r k d s f y ; s b u I p u k L = k a r k a d s , d H k k x d k m i ; k s x H k h v R ; U r d f B u g a  
I p u k v k a d s f c [ k j s L o : i d s d k j . k H k h m i H k k o r k d f B u k b z d k v u t k o d j r s g a v r %  
I p u k d h I g y H k m i y c / k g r q I p u k v F k o k I p u k L = k a r d k s V s y f j a x v F k k z m i ; o R k  
d k W & N k W ] 0 ; o L F k k i u v k s i z a k u } k j k m i H k k o r k d h v k o ' ; d r k v k a d s v u q i i L r q  
d j u k g a r k f d I p u k d k v f H k k u ] L F k k u f u / k k j . k m i y c / k v k s m i ; k s x I E H k o v k s  
I q k / ; g k s I d a m i H k k o r k I e p k ; d h v k o ' ; d r k v k a d s v u q i I p u k L = k a r k s d k  
I a d y u v k s i q i d ; o L F k k i u f d ; k t k u k p k f g ; a I p u k f o L Q k s / d s v k / k f u d ; o k e a  
I p u k m i H k k o r k d j . k v R ; U r v k o ' ; d g a

**1-4-1 I p u k L = k a r k s d k m i H k k o r k d j . k I a B u (Costumised Organisation**  
**of Information Sources ) & I p u k d h i z d f r d s v k / k k j i j I p u k L = k a r k s d k s**  
**i k F k f e d ] f } r h ; d v k s r r h ; d J s k h ; k a e s f o H k k f t r f d ; k x ; k g a m i ; k s x d r k z v k a d h**  
**f o f o / k v k o ' ; d r k v k a d s v u q i I p u k d k s d k W & N k W d j m l d k m i H k k o r k d j . k f d ; k**  
**t k r k g a u o h u I p u k v k o ' ; d r k v k a v k s f o L r r I p u k v k o ' ; d r k v k a d h I U r f " V**  
**g s r q m f p r I p u k L = k a r k a d k i o k z u e k u u g h y x k ; k t k I d r k A t c f d f u R ; i f r I p u k**

vko'; drkvka vksj vkd"kd I puk vko'; drkvka dh i firZ grq I puk L=krka }kjk fuf'pr I puk inku dh tkrh gA

(i) **uohu I puk vko'; drkvka I s I EcfU/kr L=kr** (Sources related to Current Information needs) & uohu I puk vko'; drkvka dh i firZ grq; g vko'; d gSfd mi; ksdrkZvka }kjk ekax fd; s tkus ij; Fkk'kh?kz gh uohu I puk, Wmi yC/k djokbz tk; A bl izdkj dh I puk vko'; drkvka dh i firZ grq I puk L=krka dk fodkl vksj vfHkdYi fofHkUu izdkj I sfd; k tkrk gS tS & I puk vfHkKrk I ok\* ds vUrXr VkbVy, ukmUl eblV cySvU, I -Mh-vkbZ cySvU vkfn dk fuekZka bl izdkj ds L=krka ds fuekZk ea izys[k dh vk[: k dks ized[krk nh tkrh gA cgr I h I puk I okvka }kjk izys[kka dh fo"ka; oLrq i"Bka ds vk/kkj ij L=kr fufeZ fd; s tkrsgS tS & djUV dUVbV+ vkfn bu L=krka dk fuekZk bl izdkj fd; k tkrk gSfd mi; ksdrkZ mudk mi; ks I jyrki wZd vksj 'kh?krki wZd dj I dA bl izdkj ds L=kr vkUykbU Hkh mi yC/k gA

**1/2 1/2 foLrR I puk vko'; drkvka I s I EcfU/kr L=kr** (Sources related to exhaustive Information need) - foLrR I puk vko'; drkvka dh ekkk djus okys mi; ksdrkZvka dh I Urq"V grq; g vko'; d gSfd I puk L=krka }kjk fofHkUu Hk"kvka ea fofHkUu fo"ka; ka dh foLrR tkudkj inku dh tk; A i kFkfed L=krka ea fufgr I pukvka dks igpku dj mudk fo'ySk.k vksj foLrkji wZd vfHkys[ku fd; k tkrk gA I puk L=krka }kjk vk[: kvka ds vfrfjDr foLrR vuqef.kdkvka ds: i ea vU; I puk, WHkh inku dh tkrh gA xUFkl ph] vuqef.khdj.k vksj I kjdj.k if=dk, Wbl h izdkj dh I ok, Winu djrs gA dHkh&dHkh mi; ksdrkZvka ds mi; Dr I puk L=kr ds p; u ea I gk; rk inku djus grq Hkh I kj mi yC/k djok; s tkrsgA ; s L=kr LFkkuh; ] {ks=h; ] jk"Vh; ; k vUrjkZVh; Lrj ds gks I drsgA bu L=krka ea fo"ka; & oLrq ds vk/kkj ij 1/4 tS & dsedy, CI VDV] bUMDI eSMdI vkfn 1/2 vksj I puk dh izdfr ds vk/kkj ij 1/4 tS & 'kksk izU/k I kj] I Eesy i =] vuqef.kdk vkfn 1/2 fHkUurk gkrh gA

**1/3 1/2 fuR; i fr I puk vko'; drkvka I s I EcfU/kr L=kr** (Sources related to everyday Information needs) - mi; ksdrkZvka dh fuR; i fr vko'; drkvka dh i firZ

grrqokLrfod I p̄uk dh mi yfC/k I okZ/kd egROI wkZ gA I p̄uk L=kr vf/kdkak%  
 gSM cpl] MKVk cpl] MKVk cpl vkfn Lo: i ea gkrsgaftudk vfHkdYi Rofjr]  
 i fj'kq) vksj fof'k"V I p̄ukvka dh i kflr grrq fd; k tkrk gA fofHkUu i kFkfed  
 L=krka dk I xg.k] fo'ySk.k vksj eW; kadu dj vko'; d I p̄ukvka dh Rofjr  
 i qikZlr grrqmi; Dr Lo: i ea i Lrrqhdj.k fd; k tkrk gA funf'kdk] 'kCndksk]  
 okf"kdh vkfn I mHkZ L=kr Hkh vko'; d I p̄ukvka dks inku djus ea l gk; d gA  
**14½ vkd"kd I p̄uk vko'; drkvka l s l EcfU/kr L=kr** (Sources related to catching  
 up Information need) - vkd"kd I p̄uk vko'; drkvka grrq ekfyd I p̄uk, W i nku  
 dh tkrh gA fdl h fof'k"V {ks= I s l EcfU/kr I Ei wkZ I p̄ukvka dks l afkflr Lo: i ea  
 i Lrrq fd; k tkrk gA fofHkUu i kFkfed L=krka l s l p̄ukvka dk I xg.k] fo'ySk.k dj  
 mUga l ki fkd egRo ds vuq kj 0; ofLFkr fd; k tkrk gA

**15½ vU; idkj dh vko'drkvka l s l EcfU/kr L=kr** (Sources related to other types  
 of need) - fofHkUu of.kr vko'; drkvka ds vfrfjDr vU; fof'k"V vksj fof/k vko'; drkvka  
 dh I Urq"V grrq vko'; drkvka ds vuq i fof'k"V I p̄uk L=krka dk vfHkdYi fd; k  
 tkrk gA fofHkUu rjhdk vksj Lo: i ka ea vko'; drkuq kj I p̄uk vksj Msk dk  
 mi HkkDrkdj.k fd; k tkrk gA i kfk.kd I eh{kk vksj I aySk.k inku djus okys  
 L=krka dks vf/kd egROI wkZ ekuk tkrk gA mnkj.k ds fy, fu.kZ u yus okys  
 fo'ks'Kka ds fy, I esdr : i ea MKVk dh vko'; drk gkrh gA tks bl idkj dh  
 vko'; drkvka dh i firZ djus ea l gk; d gks l drk gA

I p̄uk i ks] ksdh vksj fof/k idkj ds iZl kj.k ek/; eka ds fodkl ds QyLo: i ]  
 fofHkUu Lo: i ka ea l p̄uk dk mi HkkDrkdj.k I EHko gks l dk gA I p̄uk foLQkv ds  
 vk/kfud ; q ea l p̄uk dk mi ; ks I p̄uk i Lrrqhdj.k ij fuHkj djrk gA I p̄uk  
 L=kr dk mi ; ks Hkh l jy gksuk pkfg, rkfd mi ; ks drkvka dks Rofjr : i ea mi ; Dr  
 I p̄uk dh i kflr gks l dA

**1.5 m) j.k vuDef.kdk, j (Citation Indexes ) &**

I Hkh m) j.k fo'ySk.k Red mRi knuka ea l s m) j.k vuDef.kdk, W I okZ/kd

i cy gA m) j.k vupdef.kdk dk rRi ; Z m) j.k dh vupdef.kd I ph I s gS  
ftl s I UnHkz vks i kn fVl i f.k; ka ds vk/kkj ij fufeR dj i Fke ys[kd ds  
vUrxR 0; ofLFkr fd; k tkrk gA

m) j.k vupdef.kdk i ys[kka dsfdl h I xg ds I eLr m) j.kka dh I Q; ofLFkr I ph  
gA bu I ip; ka dks bl i zkj 0; ofLFkr fd; k tkrk gSfd mnAkr i ys[k] m) j.kdrkz  
i ys[k ds i gys vkrk gA

^m) j.k vupdef.kdk mnAkr ys[kka dh Øec) I ph gkrh gA ftl ea i R; d  
mnAkr ys[k ds I kFk m) j.kdrkz ys[kka dh I ph nh x; h gA mnAkr ys[k dks I UnHkz  
m) j.k rFkk m) j.kdrkz ys[k dks L=kr m) j.k }kjk i gpkuk tkrk gA vupdef.kdk  
I UnHkz m) j.kka }kjk 0; ofLFkr gkrh gA dkbZ Hkh L=kr m) j.k rRi 'pkr I UnHkz  
m) j.k cu I drk gA

m) j.k vupdef.kdk ea i kbd dks vf/kd uohure m) j.kka dh vkj funR'kr fd; k  
tkrk gA ; g i ys[kka dh fo"k; oLrq dks I Q; ofLFkr djus dh vupde.khdj.k i ) fr  
gA ftl ds dkj.k [kkt ea I gk; rk i ktr gkrh gA

m) j.k vupdef.kdk dh i fo"V; kllm) r ys[kdka ds uke ds vUrxR o.kkZupde  
ea 0; ofLFkr gkrh gA i R; d i fo"V ea fuEufyf[kr I puk nh tkrh gS&

¼½ 'H'kZl & bl ea mnAkr ys[kd dk uke] i zdk'ku o"KZ] i f=dk dk uke [k.M  
Øekd rFkk i "B I q; k nh tkrh gA

½L=kr en & ; sm) j.kdrkz gkrs gA bl ds vUrxR] m) j.kdrkz ys[kd] i zdk'ku  
dk o"KZ i f=dk dk uke] [k.M Øekd rFkk i "B I q; k vkrs gA bl ds I kFk dN fo'kSk  
i zkj ds fpUg Hkh vadr gkrs gS tks fd mnAkr , oa m) j.kdrkz ys[kka ds e/; I Ecl/  
k i nf'kr djrs gA

, d ys[kd ds , d I s vf/kd mnAkr enka dks i zdk'ku ds o"KZ ds vk/kkj ij dky  
dækuq kj 0; ofLFkr fd; k tkrk gA

**1-5-1 m) j.k fo'ySk.k dh I hek, W** (Limitations of citation analysis ) vks r : i

I sm) j.k fo'ySk.k ea 'kksk i =ka dh vi {kk I eh{kk i =ka dks vf/kd mnAkr fd; k



tkrk gđ I eh{kk ys[k fy[kus okys oškfudka vf/kd m) r fd; k tkrk gđ bl vk/kkj ij oškfudka dk mfpr eiv; kađu I gh <æ I s ugh gks i krkA

fooknkLin fLFkr mRiUu djus okys i=ka dks vf/kd m) r fd; k tkrk gđ bl ds vk/kkj ij xyr funž k i klr gkrk gđ Lo&m) j.k ds }kjk Hkh Hkzed funž k i klr gksrs gđ

vr% uohu izdkf'kr i=ka dh egrk dk mfpr eiv; kađu vR; Ur dfBu gks gkrk gđ

## 1-6 I puk dk mi ; ks (Use of Information) &

I puk dk {ks= foLrr gkrk gđ bl s I hekc) ugha fd; k tk I drkA I puk dh mi ; ks xrk Kku dks I e) djus eafufgr gđ fdl h Hkh {ks= ea dksbz Hkh 'kksk] vUosk.k vls iz ks fcuk MKVk vls I puk ds vflrRo ea gksrs gq ugha gks I drk vls dksbz Hkh u; k 'kksk] vUosk.k ; k iz ks ubz I puk dks mRi kfnr ugha djrk rc rd ml s i wkz ugha dj I drā bl izkj pØkuØe ea I puk ds {ks= eafujUrj of) gkrh jgrh gđ i R; d fu.kz i fØ; k; a bl dk egRo gkrk gđ

I kekftd , oa vkfFkd fodkl ea ; ks nku nsus ds fy, fuEufyf[kr {ks=ka ea I puk dk fo'kksk egRo gđ

1/1½ vuq akku , oa fodkl

1/2½ foKku , oa i ks] ksxdh

1/3½ vls] ksxd vuq akku

1/4½ I puk i ks] ksxdh

I puk dh vko' ; drk vls mi ; ks ds {ks= fuEufyf[kr gđ

1/1½ **'kksk , oa fodkl grq** oržeku vls] ksxd I ekt dks foKku , oa i ks] ksxdh I s I EcfU/kr I puk us dkQh i Hkfor fd; k gđ bl {ks= ea 'kksk vls fodkl grq fujUrj I puk dk mi ; ks fd; k tkrk gđ

1/2½ **0; kol kf; dlagrq** fofHkUu {ks=ka ds 0; kol kf; d tš &fpdRI d fof/k i jke'kžkrk] vfHk; kfU=d vkn Hkh vi us 0; ol k; I s I EcfU/kr uohure I puk vka dk mi ; ks djrs gđ

1/3 1/2 **0; ki kj grq** oržeku ea 0; ki kj ds {ks= ea l p̄uk dk mi ; ksx vksj egRo cgr  
c<+x; k gā bl ds v̄lrx̄r l p̄uk i ks| k̄sxdh ds ek/; e l s mRi knka l Ecu/k ea  
l p̄uk] x̄tgd l ōk] i f'k{k.k] fcdh] foRrh; i zU/ku] mRi kn fodkl ] foi .ku  
vkfn l s l EcfU/kr l p̄ukvka dk mi ; ksx fd; k tkrk gā

1/4 1/2 **fu; ktu , oaulfr fu/Wj .k grq** 'kkl u fofHku i zkj dh ; ktukvka ds fØ; kUo; u  
vksj ulfr fu/Wj .k grq l EcfU/kr l p̄uk dk mi ; ksx djrk gā Hkjr l jdkj usv | ru  
vksj l e; l s l p̄uk dh i kfr vksj ml ds mi ; ksx dks nf"Vxr j [krs gq d̄n  
dEI; Wjhd̄r l p̄uk izkkyh LFkfi r dh gā ftuea i z̄d[kr% d̄f"k , oa i ; k̄bj .k l Ecu/kh  
l p̄uk izkkyh] m | ks , oarduhdh l p̄uk izkkyh] ekuo 'kDr , oa l kekftd foKku  
l p̄uk izkkyh vksj foRr l p̄uk i z̄d[k gā

1/5 1/2 **i zU/ku , oafu. k̄ u grq** fofHku l x̄Buka ea i zU/ku , oa l ōkvka dks mlur cukus grq  
l p̄uk dk mi ; ksx fd; k tkrk gā i zU/k ds {ks= ea fof"V l p̄uk izkky; k̄l i fri kfr  
dh x̄bz gā tks i zU/kdka dks l gk; rk mi yC/k djkrh gā buea i z̄d[kr% MKV/ks d̄  
ēustev fl LVe vksj ēustev buOkežku fl LVe i z̄d[k gā bl i zkj ekuo ds  
fofo/k fØ; kdyki ka ds {ks= ea l p̄uk dh Hk̄iedk vksj mi ; ksx egRoi wkz gā

**1-6-1 l p̄uk , d l d k/ku&** l p̄uk dks fd l h jk"V<sup>a</sup> ds fodkl vksj i x̄fr ds  
fy, vU; i k̄dfrd l d k/kuka t̄s & Ātk] dks yk] yk̄gk] i kuh vkfn dh Hk̄fr  
gh , d egRoi wkz l d k/ku ekuk tkrk gā jk"V<sup>a</sup> fuekzk ea bl dk fuošk egRoi wkz  
gā bl s , d vfr vko' ; d oLrq 'kDr vkfn dh l k̄k Hkh nh tk tkrh gā  
okLrfodr̄k ; g gS fd jk"Vh; ] vk̄f̄k̄z] vksj k̄sxd] 'k̄s̄k̄f.kd rFkk l kekftd  
fodkl , oa mlū; u ds fy, l p̄uk , d vko' ; d l d k/ku gā fd l h Hkh dk; Z  
ds iz kl dk i k̄jEHk l p̄uk l s gh gkr̄k gā 0; ki kfj d , oa vksj k̄sxd LFkki uk rFkk  
fodkl dk vk/kkj Hkh l p̄uk gS ft l ds vHkko ea i x̄fr l EHko ugha gā l p̄uk  
ekuo ds i R; d {ks= vksj fØ; kUo; u ea 0; Lr gS vksj bl dk vHkko rFkk  
vufHkKrk l ekt rFkk jk"V<sup>a</sup> dks l 'kDr , oa fodfl r gksus ea ck/kd fl ) gkr̄k  
gā ōk̄kfud , oa i ks| k̄sxdh; vuq̄ akku ds fy, l p̄uk l d k/ku gS l k̄f̄k̄ gh  
euk̄j̄atukRed fdz kdyi ki ka ds fy, Hkh l p̄uk dh vko' ; drk gkr̄h gā ȳsdu

oSkkfud , oa i kS| kfxdh; v/; ; u , oa vudj dkku] tks Kku dh [kkst l f"V i d kj  
rFkk fodkl dh vk/kkjf'kyk, WgS vksj ftuds ek/; e l s jk"Vh; mUufr] i xfr  
vksj cgep[kh fodkl gsrk gS l puk ds fcuk l Qy , oa l kFkd rFkk mi kns  
fl ) ughagks l drsga bl izkj l puk vudj dkku , oa fodkl ds fu"i knu dk  
, d vfr vko'; d l d k/ku ga

**1-6-2 l puk idr djus dh fof/k; kll%&** l puk mRi knu pdz ea ek/; e ds : i  
ea izk'kd] ys[kd] l Eiknd] oSkkfud] fu; kst d] izU/kd l puk izkkfy; kll  
dEl; Wj i kxkej , oa dbZ l xBu l lFkk, Wvksj usodZ l fEefyr ga tks uohu  
l pukvka ds mRi knu gsrq

vudj dkku vksj fodkl ds {ks= ea l f0; : i l s; kxnku dj jgs ga

**1- ys[kd (Author) &** ys[kd l puk ds u; s vk; keka ds mRi knu ekus tkrs ga ; s  
oLr%fd l h l puk vFkok l nsk ds l "Vk gsrk ga ; s xBFk vksj i =& i f=dkvka ea eny  
l puk ds izkrk ds l kFk&l kFk vk/kjud l puk i kS| kfxdh ds vuq; z kx }kj k byDVRNud  
eny ds ek/; e l s Hkh vi us eny vkys[k ; k xBFk dks i Lr% dj l drk ga ys[kd , d  
0; fDr Hkh gks l drk gS vksj vf/kd 0; fDr Hkh gks l drs ga tks fofHkuu i ys[kka dh  
jpuk@mRi knu vFkok l Ei k.k vi us uke l s djrs ga xBFkdj ; k ys[kd 0; fDrxr  
ds vfrfjDr dkbZ l lFkk ; k l xBu Hkh gks l drs ga ; s mRi knu gsrq l Hkh izkj ds  
i ys[kk] l puk l dkvk] byDVRNud&eny] buVju/ MS/kcd [kkst vkfn dk mi ; kx  
djrs gft l ds vk/kj ij vi us l puk mRi knu dk; Z ea uohurk ykrs ga budk i x[k  
dk; Zuohu l puk dk fuelz k ; k mRi knu djuk] l EcfU/kr fo" k; ka dks LFkfi r djuk  
vksj ml dk l Ei k.k djuk ga

**2- l Eiknd (Editor) &** l Eiknd og 0; fDr gsrk gS tks vudj ys[kdka ds vkys[kka dks  
, df=r djds , d dfr ds : i ea izk'ku gsrq mRrjnk; h gsrk gS bl izkj ds  
izk'kuka dks l kefgd dfr dgk tkrk gft l ea l Eesyu dk; Zkfg; kll vkfn vkrs ga  
bl Jskh ea l dyudrk] vuqnd vkfn Hkh vkrs ga

**3- i kFkd izk'kd (Primary Publishers) &** , d s izk'kd tks fdl h ys[kd dh dfr  
dks mi ; kxdrkZvka dh vfHki firZ gsrq mfpr i f0; k ds vlrxZ mfpr Lo: i ea izkf'kr

djrs gá orðku eanij l þkj i ksj kfxdh eafodkl vks i fjonzka ds QyLo: i l þuk dks vlu; Lo: i ka ea Hkh i Lrqr djus dh l fo/kk mi yC/k gþz gá

**4- f}rh; d iðk'kd@Mkcsd mRi knð (Publishers/ Database producers) & ; s**  
mi ; ksdrkz dks iðkf'kr {ks= dh l eLr l þukvka dh tkudkj mi yC/k djks  
gá budh Hkfiedk eksyd , oa ijEijkxr l kefxz, ka tš s l kj] vuøef.kdk  
vkfn dks vklu ykbu fof/k; ka ds ek/; e l s eny i kB dh l kefxz, ka ds l kfk  
mi yC/k djuk gá eny iðk'kd vi us mRi knuka ; k iðk'kuka dks MkVksd mRi knð  
ds ikl Hkstrs gá og blga p; fur l þuk iðkj l ok ds ek/; e l s  
mi ; ksdrkz/ka ds ikl vFkok xðFkky; ka vks l þuk dlnka dks Hkst nrs gá tks  
vko' ; drkuð kj l þuk dk l Ei šk.k djrs jgrs gá

**5- iþrdky; (Libraries) & iþrdky; ka dks Kku vks l þuk dk l ægky; dgk tkrk gá**  
; sfofo/k iðkj dh v/; ; u , oa l þuk l kexh dk l æg.k] i fØ; kdj.k] l æBu]  
0; oLFkk vks l j {k.k djrs gá rFkk mi ; ksdrkz/ka dks mudh ekk ds vuð kj fofHku  
l okvka ds ek/; e l s mi yC/k djks gá ; s l þuk Jðkyk ds vLrxr vi uh egroi wk  
Hkfiedk dk fuokg djrs gá

iþrdky; ka dks l æfgr l kexh] i kBdka ds iðkj vks fof/k iðkj dh l okvka  
ds vuð kj fofHku Jš.k; ka eafHkfr fd; k x; k gš tš &

(i) **jk'vh; vfHky{kkkj (National Archives)**

(ii) **jk'vh; iþrdky; (National Library)**

(iii) **l kožfud iþrdky; (Public Libraries)**

(iv) **'kšf.kd iþrdky; (Academic Libraries)**

(v) **fof'k'v iþrdky; (Special Libraries)**

**6- iys[lu dlnz (Documentation Centres) & l ekt fokku] fokku vks i ksj kfxdh l s**  
l æf/kr fof'k'v l þuk vks uohure i kB; l kexh ea iðkf'kr l verj fopjka dks  
fo"k; fo'kškkka vks 'ksdrkz/ka dks mudh ekk ij vFkok ekk dh i R; k'kk ea mu rd  
i gþkus ds fy, budh LFkki uk dh tkrh gá ; s dlnz ijEijkxr vks vijEijkxr nksuka  
gh iðkj l s iys[ka dks l gHk djkuš l þuk vfHkKrk l ok] p; fur l þuk l ok] l kj]

vuøe.khdj.k] vuøkn] ifrfyfi dj.k l øk, W i nku djrs gÅ buds l øuk  
mRi knka ea cySVu] l hMh&jkæ e'khu&jhMoy Qkby vkfn l fEefyr gkrs gÅ

**7- l øuk fo'yšk.k dšnz** (Information Analysis Centres) & s l øuk dšnz dk vR; Ur  
mlur Lo: i gS tks fofHkUu l øuk , oa 'kšk dšnz l s l Ec) gkrs gÅ ; s fo"K;  
fo'kšk l s l EcFU/kr uohure l øukvka dks mi yC/k djkr gÅ l øuk fo'kškKka  
dks fo"K; fo'kšk ij fofo/k i d kj ds rF; ka vksj vkadMka dh vko'; drk gksh  
gÅ ; s dšnz ekkk ds vuø kj ; k ekkk dh i R; k'kk ea mluga rjUr mi yC/k djkr  
gÅ bu dšnka dk i øø[k dk; Z fofo/k dšnka l s vkadMks dks , df=r djuk] mudk  
fo'yšk.k djuk vksj mluga mi ; kx ; kx; cukuk gÅ l øuk mRi knu ea budh  
Hkfiedk Hkh egRoi wkZ gÅ

**8- l øuk ušodZ** (Information Network) & l øuk ušodZ l s rRi ; Z fofHkUu LFkkuka i j  
j [ks x, dEI; Wj VfeZuYI dks l øuk l økj.k gsrq, d nll js l s tkM+fn; k tkuka ftu  
i ørdky; ka dks dEI; Wj hdr dj fn; k x; k gSmu l Hkh dks dEI; Wj vksj nij l økj  
i z kkyh ds l kFk tkMdj , d ušodZ LFkkfir fd; k tk l drk gÅ Hkkjr ea LFkkfir  
dñ i øø[k ušodZ fuEufyf [kr gS %

& **bufllycuš** (INFLIBNET-Information and Library Network)

& **dsycuš** (CALIBNET- Calcutta Libraries Network)

& **Myuš** ( DELNET- Developing Libraries Network)

& **l juš** ( SIRNET- Scientific and Industrial Research Network)

### 1-7- l kjkæ &

vkt l øuk ekuo thou ds i R; d {ks= , oa fØ; kdyki ka ea 0; klr gks pøth gS  
oŠkfud , oa i kš] kšx dh; vuø økku ds fy, ; g , d vR; Ur vko'; d l d k/kku gS  
fd l h Hkh l ekt dks jk"Vª dh i xfr] fodkl vksj l ef) ds fy, vuø økfu dks; kš gsrq  
l øuk dh fujarj vko'; drk gksh gÅ l øuk i kš] kšx dh vksj fofo/k i d kj ds i d kj.k  
ek/; eka ds fodkl ds QyLo: i fofHkUu Lo: i ka ea l øuk dk mi HkkDrkdj.k l øko gks  
l dk gÅ l øuk L=kška dk mi ; kx Hkh l jy gkuk pkfg; s rkd mi ; kx drkZ/ka ds  
Rofjr : i l s mi ; ør l øuk dh i kflr gks l dš

**1-8- Lo t~~h~~ vH;kl** (Self -check Exercise) &

1- fo"K; oLrq fo'yšk.k l s D; k rkRi ; Z gS \

2 l p~~u~~k ds mi Hk~~o~~Drkdj.k dk o.k~~u~~ dhft, \

3 i~~u~~rdky; , oa l p~~u~~k foKku ea m)j.k fo'yšk.k dh 0; k[; k djrs gq ml dh  
mi ; k~~s~~xrk crkbz; A

## bdkb&4 I puk fo'kš'kK (Information Experts)

2-0 fo"k; i dš'k

2-1 mnš' ;

2-2 i ūrdky; 0; ol k;

2-3 I puk e/; LFk

2-4 MKVkcš vfHkdYi dRrkZ , oa i zU/kd

2-5 ehfM; k ¼ ĵpuk ek/; e½

2-6 I kjkđ k

2-7 Lo tkp vH; kl

---

### 2-0 fo"k; i dš'k

---

i ūrdky; dk dk; Z, d pūks'hi wkZ dk; Z gš'rk gSbl fy, bl pūks'h ; ūr dk; Z dks I Qyrk i wđd djus ea ogra 0; fDr I Qy gks I drk gSft I ea vi us JŠBre 0; fDrxr xqkka ds I kFk&I kFk 0; kol kf; d ; kš; rk] 'kš'kf.kd ; kš; rk] rdudh ; kš; rk] fofo/k fo"k; ka dk Kku] cš) d {ks= ea Nk=kĵ i k/; ki dka rFk 'kš'kdrkZ/ka dks ekxh'kZu djus dh {kerk] vi us ekšyd I ūko nšs dh ; kš; rk vkfn gks] I kFk gh i ūrdky; ds mRrjnkf; Roi wkZ dk; kš dks djus ds fy, i ; kZr vutĵko Hkh gksuk vko' ; d gš ; ahdj.k ds bl ; ū ea i ūrdky; I dš; a Hkh ; a pkyr gks xbz gš I puk foKku dk fodkl ] I puk ds I Ei šk.k I s I ūf/kr gS vkš I puk dk I Ei šk.k gh i ūrdky; 0; ol k; dk eny i dĵ.k gš I puk I pkyu o gLrkĵ.k ea I puk fo'kš'kK dh , d egRoi wkZ Hkš'edk gš

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### 2-1 mnš' ; %&

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bl bdkbZ ds v/; ; u ds i 'pkr vki fuEufyf[kr vo/kkj.kk vka vkš rF; ka I s voxr gks I dš'a %&

& I puk fo'kš'kK@vf/kdkjh dh Hkš'edk

& I puk e/; LFks , oa MKVkcš vfHkdYi drkZ dk egRoA

& I puk ek/; eka ds i dĵk

## 2-2 i ɫrdky; 0; ol k; %

i ɫrdky; ea deɫkfj; ka dh l ɔk, ʍl ɔsfud gkrh gS vFkkZ~os vi uh l ɔk dk; Z ds cnys oru i ɫr djrs gā yfdu mudk dk; Z fQj Hkh l ekt l ɔk dk; Z dh Jskh ea gh fxuk tkrk gā i ɫrdky; ds i R; d deɫkjh dk dk; Z, d pɔkʃhi wkZ dk; Z gkrk gS vr% xɫFkky; ea dk; Z djus gsrq ogh 0; fDr bPNɔl , oe~ l Qy gks l drk gS tks pɔkʃh dks Lohdkj djus ea furkŪr l {ke gkā bl fy, i ɫrdky; deɫkfj; ka ea l Hkh xqkka dk fo | eku gksuk vfr vko'; d gkrk gā

### 2-2-1 idfr ʍo'ofolky; h i ɫrdky; LVkQ½

fdl h Hkh fo'ofolky; h xɫFkky; LVkQ dks; ʍhl h i ɫrdky; l febr usfuEu i ɫkj Jskhc) fd; k g%

	i ɫrdky; h
	mi i ɫrdky; h
	i y[ku vf/kdkjh
¼½ i ɔj 0; kol kf; d	l pɔk ɔKkfud
	l ʍHkZ i ɫrdky; h
	i ɛq[k l pɔhdkj , oa oxhɫdkj
¼½ voj 0; kol kf; d	l gk; d i ɫrdky; h
	l gk; d oxhɫdkj
	l gk; d l pɔhdkj
¼ ½ 0; kol kf; d l gk; d	i ɔj i ɫrdky; l gk; d
	voj i ɫrdky; l gk; d
¼½ v) Z 0; kol kf; d l gk; d	i ɫrdky; l gk; d
	cɔl fy ʍVj
¼½ v&0; kol kf; d	y[kkdkj] LVukj Dyd] Vkbfi LV
	fyfi d] pi jkl h] pKɫhdkj vkfnA

### 2-2-2 fo'ofolky; h i ɫrdky; LVkQ dk Lo: i&

i R; d i ɫrdky; ea ml ds l pkyu ds fy, fofHklu deɫkfj; ka dh vko' drk gkrh gā fdl h fo'ofolky; i ɫrdky; ea deɫkfj; ka dh l ɫ; k fdruh gk; ; g fu/kkZjr



djus dsfy, vud l fefr; ka, oa fo) kuka us vud l # , oa fl ) ka i fri kfnr fd, gA

¼½ jakuflu l # & i fl ) foKkuoRrk MKW jakuflu usfdl h Hkh idkj ds i qrdky; ds depkfj; ka dh l a; k fu/kkzjr djus dsfy, LVkQ Okeljk uke l s, d depkjh ik: i r\$ kj fd; k Fkk tks Fkk&scgr l aksku ds l kfk fdl h Hkh i qrdky; ea iz, kx fd; k tk l drk gA og l # fuEu idkj l si qrdky; ds foHkkxokj i Lr q fd; k gA

SM (Maintenance Section) = A/300

ST (Technical Section) = A+400/200

SC (Circulation Section) = G/1500

SP (Periodical Section) = P/500

SR (Reference Section) = R/50 x W/250

tgkllfofHkUu v{kj fuEu vfkzj [krs g&

A= , d o"lz ea i fjxg.k dh xbz i qrdka dh l a; kA

D= , d o"lz ea i ysq ku ¼vuØef.kdkdj.k rFkk l kjkdkj.k½ dh gØz i qrdka dh l a; kA

G= 10 ?k.Vs i frfnu dh nj l s 1 o"lz ea i qrdky; [kyusdk dty l e;

P= i f=dkvka dks vfHkys[k djus dh l a; k

R= i frfnu ds i kbdka dh l a; k

W= , d o"lz ea dty dk; Zkhy fnol ka dh l a; k

¼½; vthl h l # & fo'ofot ky; vupku vk; kx us 1966 ea bu l MKbl dh l gk; rk l s Work Flows in University Libraries uked fo"k; ij , d l ehukj vk; kstr dh FkA bl l ehukj ea xbfkky; depkfj; ka dsfy, dñ ekud fu/kkzjr fd; sx; sx; s Fks tks fuEu idkj Fk&

¼½ i fjxg.k djus dsfy, & , d 0; fDr }kjk , d fnu ea 40 i qrdka i fjxg.k dh tkuh pkfg, A

¼½ oxhdj.k djus dsfy, & , dk 0; fDr }kjk , d fnu ea 12 l s 25 i qrdka oxhdir dh tkuh pkfg, A

¼½ l phdj.k dsfy, & , d 0; fDr }kjk , d fnu ea 12 i qrdka l phdir dh tkuh pkfg, A

¼½ I ph i =dka dk 0; oLFkki u&, d 0; fDr }kjk , d fnu ea 250 I ph i =d  
0; ofLFkr djus pkfg, A

**2-2-3- I puk fo'ksk @ vf/kdkjh dh Hkfedk % vkt i qrdky; ka l s l fØ;**  
I puk l ok dh vi s k dh tkrh gA ^de l s de ykxr o l e; ea l okZ/kd  
mi ; ks\* gh xDFky; I ok dk i e[ k mnas ; gA vFkZ~, d h dksZ l k{kkr~ekuoh;  
'kDr gksuh pkfg; s tks l okvka dks bl idkj l æfBr djs fd vko; d I puk  
; Fkl e; i kr gks l dA vFkZ~I puk l pkyu o gLrkj.k ea l puk vf/kdkjh  
dh , d egroi wkZ Hkfedk gA I puk vf/kdkjh dk e[; mnas ; ^l EHkkfor  
i k Bd\* dks U; ure ykxr ij ; Fkk; kX; I puk ; Fkl e; mi yC/k djokuk gA  
, d I puk ra dh dk; Z d qyrk] I puk vf/kdkjh dh 0; fDrxr fo'kskrkvka ij  
fuHkZ djrh gA , d I puk dlnz viuh l okvka ds }kjk tkuk tkrk gS vks  
I puk vf/kdkjh vius enq o l g; kxh LoHkko rFkk ; kX; I puk vks ; kX;  
mi ; ksdrkZ ea l Ecu/k LFki r djus dh {kerkvka l s tkuk tkrk gA I puk vf/  
kdkjh dks i R; d mi ; ksdrkZ , oa ml dh vko'; drk dks 0; fDrxr : i l s  
i gpkuuk pkfg; A ml s i R; d mi ; ksdrkZ dh vko'; drk HkyhHkkUr l e>uk  
pkfg; A ml ds i kl mPp 'kskf.kd ; kX; rk, Wo 0; kol kf; d i f'k{k.k i kr gA og  
l Hkh 'ksk i ) fr; ka l s HkyhHkkUr i fjpr gA og ijEijxr , oa vk/kfud  
i qrdky; rduhdka dk Kkrk gks rkfd og ; kX; i k Bd ds fy; s ; kX; I puk  
p; u o eW; kdr dj ml dk ; kX; : i ea ; Fkl e; gLrkj.k dj l dA og  
vius mi ; ksdrkZ/vka ds fy; s fe=] nk'kZud o i Fk&i n'kZ ds : i ea dk; Z djA  
ml dk 0; ogkj l g; ks kRed gA og vfxæ : i l s l puk l ok inku djus ds  
fy; s rRij jgA I puk l ok , d vR; Ur tfVy ifdz k gA I puk vf/kdkjh dks  
fofHkUu I puk L=kska dh tkudkjh o muds mi ; ks l s i fjpr gksuh pkfg; s rkfd  
og mRrjka dks rjUr , oa d qyrki wZd [kkst l dA I puk dk l kef; d gLrkj.k  
I puk vf/kdkjh ds dksy ij fuHkZ djrk gA I puk vf/kdkjh dh dk; Z d qyrk  
l s 'ksk dk; Z ea l e; ] vFkZ o Je dh gkfu dks jkdk tk l drk gA 'ksk dh  
i qjkoFr dks jkdu ds fy; s I puk dk l kef; d gLrkj.k vR; Ur vko'; d gA

I p̥uk vf/kdkjh I anHkZ x̥ɸFkka dk Kkrk gkA og I Hkh i ɸrdky; ka rduhdka  
tS &oxhɸdj.k] I p̥hdj.k] vkfn dh ckjhfd; ka o fu; eka I s HkyhHkk̥r i fjfpr  
gkA ml s fo"k; 'kh"kdka dk vPNk Kku gks rkfd og I ɸHkrki ɸɸd i kB; &I kexh  
dh [kkst dj I dA og x̥ɸFk o.kZukRed dks kyka ea Hkh fui qkrk j [krk gkA og  
I g; kx̥kRed n̄"Vdksk I s I Hkh dks I UrɸV djus ds fy; s iz kl jr gkA og  
I kekU; Kku ea : fp j [krk gks , oa i R; ɸd i kBd ds i fr ml ds eu ea Hkkbz pkjs  
dh Hkkouk gkA og p̥k̥Uus efLr"d I s fo'o dh egRoi wkZ ?kVukvka I s i fjfpr  
gkrk jgA

I p̥uk vf/kdkjh ds dk; ɸ dRrD; vk̥ Hk̥iedk] I kekfd vko'; drkvka ds vuɸ kj  
i fjofr̄ gks s jgrs gA , d I p̥uk vf/kdkjh dks fo'kky ân; h gkdj vk/k̥ud  
rduhdka vko'; drkvka o or̥ku i fjfLFfr; ka ds vuɸ kj Lo; a dks <kyus dh {kerk  
gksh p̥kfg; A I p̥kj rduhdka ds vk/k̥udhdj.k ds i fj.kke Lo: i i ɸrdky; , oa  
I p̥uk foKku ds {ks= ea dEI; Wj dk i Hkko i Mk gA dEI; Wj I p̥uk I Ei ɸk.k dk  
vfuok; Zvax gA I p̥uk vf/kdkjh ea dEI; Wj I p̥kyu dh {kerk gkA

vk/k̥ud ; ɸ ea i ɸrdky; ds {ks= o I hekvka eɸ n̄"Vdksk eɸ dk; k̥ ea I ɸkvka ea  
foLe; dkjh i fjor̄u gks jgs gA , d rjQ rduhdka dk fodkl gkdj x̥ɸFky; I x̥ɸ.k]  
I d k/ku vk̥ I p̥uk ds foḍhɸdj.k ea mlGa i k; k̥; fd; k tk jgk gS rFk n̄ jh vk̥  
ṭvy v̄rjfo"k; hu fo'k̥krk ds I kFk fo"k; ka dk n̄ xfr I sfodkl vk̥ fo'k"V  
I p̥uk i ḳr dh c<rh g̣z eḳk ds QyLo: i vkt I p̥uk vf/kdkjh dh Hk̥iedk vR; Ur  
p̥uḳshi wkZ fl ) gksh gA vkt ; g , d LFkfi r rF; gSfd x̥ɸFky; , oa I p̥uk ḍḥka  
{kjk vf/kdre o I oḳre I ɸk i nku djus g̣ṛo mudk I ɸ p̥kyu djus g̣ṛ , d , d  
mPp f'k{ḳ i ḳr o 0; kol kf; d i f'k{ḳ i ḳr I p̥uk vf/kdkjh , oa vk/k̥ud mi dj.k  
vR; Ur vko'; d gA I p̥uk vf/kdkjh ea vḳrefo'okl dh Hkkouk gkA ml dk Hḳ"kk i j  
vPNk fu; U=.k gkA vPNh Lefr o vuɸko }kjk Hkh I p̥uk vf/kdkjh n{krk i ḳr dj  
I Qy gks I drk gA

, d vk/k̥ud I p̥uk vf/kdkjh ea fuEufyf[kr dks ky gks p̥kfg; &

- 1- mi ; ḳdṛvka ds fy; s I ḳ[; dh o I p̥uk I ɸ x̣fBr djus dh {kerkA
- 2- I Hkh I p̥uk L=ḳka dh tkudkj o fo'ḳk i fjfLFfr; ka ea p̣ṛḳbz i ɸɸd I p̥uk [kkstus

dh {kerkA

3- epzk I sJO; I k/kuka , oa Nk; k I s dEI; Wj rd dh I eLr I p̄uk rduhdks dk I efpr I nq̄; kx djus dh {kerkA

4- I p̄uk dk mi ; kx ea mi ; kxdrkzvka ds ifr tkx: drk , oa prsu'khyrk rFkK I ok inku djus dh Hkkouk vFkkz~mi ; kxdrkzvka dks I UrqV djus dh {kerkA vkt ek= xBFkky; ifjI j es ani yC/k I p̄uk L=krka I s ifjpr gkuk gh i ; klr ugha gA , d I p̄uk vf/kdkjh dks bl rF; I sHkh voxr gkuk pfg; sfd , d I hekorhZ }kjk vuska I kfi[; dh vk/kkja dks i dsk fey I drk gA I p̄uk vf/kdkjh bu I kfi[; dh vk/kkja dh I fopkrk I s blga I okz/kd mi ; kxh cuk I drk gA mi s bl ckr dk Hkh Kku gkuk pfg; sfd budh I gk; rk I s I p̄uk dh [kkt fdl i zdkj dh tkrh gA vkt e'khu }kjk I kfi[; dh vk/kkja dk v/; ; u , oa bu I kfi[; dh vk/kkja rd yxkrkj i dsk dsdkj.k i qrdky; dh mPp Lrjh; I kfgFR; d [kkt I ok inku djus dh {kerk, W cgq c<+xbz gA ; g I Ei sk.k dk fo|q vk.kfod ; qk gA vkt I p̄uk fo'kSkKka dh vR; kf/kd ekkk gA ydt.Vj , Q-MCY; w ds vuq kj vk/kfud ; qk ea I p̄uk fo'kSkK }kjk fuEukidr dRrZ ka dh i firZ dh tkuh pfg; A

1- I p̄uk ijke'kzkrk] ds : i ea mi ; kxdrkzvka dks mi ; kxh I p̄uk L=krka I s ifjpr djokukA

2- fo|q vk.kfod L=krka ds mi ; kx gsrqmi ; kxdrkzvka dks i f'kf{kr djokukA

3- ; kx; i kbd o ; kx; I p̄uk L=kr ds e/; I Ecu/k LFkfi r djukA

4- I p̄uk dsfo'ySk.k }kjk [kkt i fj.kkeka dk I aySk.k dj eiv; kfidr o p; ukRed i fj.kke 'kxdrkzvka dks mi yC/k djokukA

5- mi ; kxdrkzvka dh : fpud kj i k'ozp= I fipdk dk fuezk djuk rkfd yxkrkj p; ukRed I p̄uk fodlnhdj.k eaml dk mi ; kx fd; k tk I dA

6- 0; fDrxr I p̄uk vk.kfod I fipdk ds I xBu ea I g; kx inku djukA

7- uohu I p̄uk L=krka o I okvka ds mi yC/k gksr's gh 'kxdrkzvka dks mul s voxr djokukA

i fjofrZ I p̄uk okrkoj.k dsdkj.k I p̄uk fo'kSkKka dh foi .ku vko' ; drk, W/Hkh i fjofrZ gksxbz gA vkt I p̄uk vf/kdkfj; ka dh ekkk fofHku Jf.k; kj tS & I kfi[; dh

I d k/ku rduhdh I ok] vuđ ph fodkl yxkrkj [kkst uohu rduhdka I s  
ifjp;] vkarfjd xg I kã[; dh vk/kkj fuekZk rduhdh i nokZuøku] foi .ku 'kks'  
k] 0; ki kfjd foi .ku] I kepkf; d fodkl vkfn ds vUrxr dh tkrh gA ; g  
Jskhxr foHkkTU fo'kSkK dks I kã s x; s dk; kã ds vk/kkj ij fd; k x; k gA

### 2-3 I puk e/; LFk (Information Intermediaries)

vkt I ekt ds I okZx.k fodkl dk eny vk/kkj I puk gA i uZ ea I hfer izdkf'kr  
I pukvka ds dkj .k mi ; kxdrkZ Lo; agh vi us {ks= dh I pukvka dh v | ru tkudkjh  
j [krs FkA fdUrq tul a[; k of) ds QyLo: i euđ; dh eny Hkur vko'; drk vka dh i firZ  
i kdfrd L=krka I s i wZ gksuk vi EHko gks x; kA I ekt dks vksj Hkh foHkku I eL; kvka  
dk I keuk djuk i MIA mfpr I ek/kku dh [kkst gsrq vuđ akku ea xfr vkbA bu I cdk  
I h/kk i Hkko izdkf'kr I kfgR; ij i MIA izdkf'kr I kfgR; eafoiy of) ds QyLo: i  
vuđ akkudrkZ/vka }kjk muds fo"K; {ks= ea I EcfU/kr mi ; kxh I pukvka dh I kef; d  
mi yfC/k vR; r tfVy gks xbA uohu I pukvka dh I rr-of) ds dkj .k I puk vksj  
mi ; kxdrkZ/vka ds chp Rofjr I Ei dZ LFkfi r djus gsrq, d I srq dh vko'; drk vuđko  
dh tkus yxhA I pukvka I s ifjpr djokus gsrq I puk L=kr] I xzgk; d vksj fo"K;  
fo'kSkKka }kjk e/; LFkrk dh tkrh gA I puk e/; LFkka }kjk I puk I xz] i Lrghdj .k  
vksj I puk i d kj] mi ; kxdrkZ/vka dh vko'; drk ds chp ; Fk I e; I Ei dZ LFkfi r  
djus ea I puk e/; LFk dh i æq[k Hkfedk gA I puk vksj ftKkl qds e/; esy LFkfi r  
djus okys I puk e/; LFk dh i æq[k Hkfedk gA I puk vksj ftKkl qds e/; esy LFkfi r  
djus okys I puk e/; LFk dgykrs gA I puk e/; LFk dh I gk; rk I s I puk ds mRi knD  
vksj I puk mi ; kxdrkZ/vka ea I Ei dZ LFkfi r fd; k tkrk gA I puk e/; LFk ea I puk  
[kkst drkZ/vka I sydj I puk ds mRi knD vksj I puk vf/kdkjh] I mHkZ xUFkkoyh vksj  
I puk izLU/kd vkfn dks j [kk tkrk gA I puk e/; LFk u rks I tudrkZ gkrs gA u  
mRi knDA mudh Hkfedk I puk mRi knDka vksj I puk mi ; kxdrkZ/vka ds chp e/; LFkrk  
LFkfi r djus dh gA I puk e/; LFk }kjk I puk mRi knDka vksj mi ; kxdrkZ/vka dks  
I rñ"V inku djus ds iz, kl fd; s tkrk gA foHkku I puk L=krka dh tkudkjh vksj  
mi ; kxdrkZ/vka dh fo'k"V vko'; drk dh i firZ gsrq mi ; Ør I puk mi yC/k djokuk gh  
I puk e/; LFk dk i æq[k mnas ; gA

I p̄uk e/; LFk nks i zdkj ds gkrs g& ykHkdjkh vFkok 'kŷ'd vk/kfjr vks̄ ykHk fuji {kA 'kŷ'd vk/kfjr I p̄uk e/; LFk ea I p̄uk nyky} I p̄uk ijke' kŷkrk] vkW&ykbou I p̄uk foØrk vkfn dks j [kk tkrk g& ykHk fuji {k I p̄uk e/; LFka ea foHkUu I LFk vka ea dk; }r I nHkZ xBFkky; h} I p̄uk vf/kdkjh vkfn dks j [kk tkrk g&

### 2-3-1 I p̄uk e/; LFk dh fo'kŷkrk, W (Characteristics of Information Intermediaries)

I p̄uk e/; LFk }kjk I p̄uk mRi knDKa vks̄ mi ; kŷxrkvka dh vko'; drkvka dks I UrqV djus dk iz kl fd; k tkrk g& I p̄uk mRi knDKa vks̄ mi ; kŷdrkZ/vka ds e/; I Økvka dk Rofjr LFkkukUrj.k gh I p̄uk e/; LFk dk iæ[k dk; Z g& i Hkko i wkZ I p̄uk LFkkukUrj.k gŷq I p̄uk e/; LFka ea fuEufyf[kr fo'kŷkrk, Wgksh pkfg, &

- (i) I p̄uk L=krka dk I eŷpr Kku rFkk mudks mi ; kŷ djus dh n{krka
- (ii) I p̄uk LFkkukUrj.k ds rdudh i {kka dk KkuA
- (iii) I EcfU/kr fo"K; {kŷ= dk KkuA
- (iv) mi ; kŷdrkZ/vka dh I p̄uk vko'; drkvka dk I eŷpr KkuA
- (v) cks̄) d i zuka ds fo'yŷk.k dh {kerka
- (vi) I pkj dkskyka ea fui qkrka
- (vii) vŷrKkZu] vRfo'okl ] fouernk] cfge[kh] I Øk dh Hkkouk] Li "Vokfnrk] ftKkl q i dŷRr vkfn 0; fDrxr xqka

### 2-3-2 I p̄uk e/; LFk ds dk; Z (Functions of Information Intermediaries)

- (i) **MV/k vks̄ I p̄uk dh [kŷt & I p̄uk e/; LFka }kjk mRi knDKa I s mi ; kŷdrkZ/vka rd**  
 I p̄uk ds LFkkukUrj.k ds i Fke pj.k ea MV/k vks̄ I p̄uk dh [kŷt dh tkrh g& bl dk; Z dh i firZ gŷq fuEufyf[kr xfrfof/k; kŷdh tkrh g& mi ; kŷdrkZ/vka vks̄ mudh I p̄uk vko'; drkvka dks i gpkuuk] mi ; kŷdrkZ/vka dh vko'; drkvka I s I EcfU/kr I eŷpr I p̄uk i nku djus gŷq L=krka dk Kku] I p̄uk [kŷt dksky dks fodfi r djuk] gLrpkfyr vks̄ Lopkfyr MV/k cŷ dh [kŷt djuk vkfnA bl i zdkj ds dk; Z djus okys I p̄uk e/; LFka dks I p̄uk I ykgkdj] I nHkZ xBFkky; h} I nHkZ fo'kŷkK] I p̄uk [kŷt drkZ] rdudh I p̄uk fo'kŷkK vkfn ukeka I s i Økjk tkrk g&
- (ii) **MV/k vks̄ I p̄uk dk fo'yŷk.k & bl ds vŷrxŷr xBFkky; ] dEI; Wj Okby vks̄**  
 MV/k cŷ ea mi yC/k I p̄uk vka vks̄ MV/k dk fo'yŷk.k fd; k tkrk g& fo'yŷk.k dk; Z

ea l kjdj .k] l kjkd khdj .k] vkfn xrfkof/k; kll/Hkh iwkl dh tkrh gA bl izdkj ds fo' y'sk.k dkz djus okys l p'uk e/; LFkka dks fo' y'sk.k&fo' k'skK] l p'uk&l ykgdkj] l pkyu&fo' y'skd] 'kks'k l gk; d] vkfn ukeka l s i p'kjk tkrk gA

(iii) **okfNr Lo: i ea l p'uk dk izdkj.k&** bl pj.k ea l p'uk dk LFkkukUrj.k okfNr Lo: i ea fd; k tkrk gA bl ds vlrxzr l edu vks jhi d'stæ ; Fkk oLrq l Fkfr ifronu dk fueklz k vkfn xrfkof/k; kll/vkrh gA bl izdkj ds dk; Z djus okys l p'uk e/; LFkka dks l p'uk fo' y'skd] l p'uk 'kks'k vf/kdkjh] l eh{kd vkfn ukeka l s i p'kjk tkrk gA

bl ds vfrfjDr l p'uk e/; LFkka }kjk fuEufyf[kr dk; Z Hkh iwkl fd; s tkrsgA

(iv) l p'uk izl/kdka ea l Ei dz LFkfr r djuka

(v) 'kks'k }kjk mi ; kxdrkz/ka dh vko' ; drkvka dks Kkr djuk rFkk mudh l eL; kvka ds mfr l ek/kku [kks'uka

(vi) l p'uk l kexh dk l xzj vks l f{klrhdj .ka

(vii) l ekpkj gsrq i k: i fueklz k vks l kexh dh fof' k"Vrkvka dks n' k'zka

(viii) tu oDr0; ka ds l f{klr inku djuka

(ix) fofHkku l LFkkukj ehfm; k vks turk l sikr izuka dk l pkyuA

(x) fofHkku ek/; eka ds }kjk l p'uk dk i pkj djuka

(xi) fof' k"V foi .ku gsrq izdk' kuka dh orzku nj dks fodfl r vks foLrkfjr djuka

### 2-3-4 l p'uk e/; LFkka ds izdkj (Types of Information Intermediaries)-

l p'uk e/; LFkka ds eq; : i l s nks izdkj gkrs gA

(i) os0; fDr vFkok l LFk, W'tks 'k'd ydj l p'uk inku djrs gA os ykHkdkjh vFkok 'k'd vk/kkfjr l p'uk e/; LFk dgykrs gA

(ii) ykHk fuji s'k l p'uk e/; LFkA

**¼½ ykHkdkjh vFkok 'k'd vk/kkfjr l p'uk e/; LFk&** bl Jskh ea fuEufyf[kr l p'uk e/; LFk l fEefyr fd, tkrsg&

(i) **l p'uk nyky&l p'uk nyky** dk rkRi ; Z mu 0; fDr; ka ; k 0; kol kf; d l akka l s gS tks 'k'd ydj l p'uk l ok inku djrs gA eq; : i l s fof' k"V xLFkky; ka }kjk l p'uk nykyka l s l p'uk dh ekæ dh tkrh gA buds vfrfjDr vucl 0; fDr; ka vks dEi fu; ka

}kjk Hkh I p̄uk nykyka I s I p̄uk ekkh tkrh gā eny : i I s I p̄uk nyky dk  
rkRi ; Z I p̄uk forj.k dlnz I s gS tks I p̄uk vks̄ mi ; ksdrkz/ka ds e/; dMh ds  
: i ea dk; Z djrs gā

(ii) **I p̄uk I ykgdkj&** I p̄uk I ykgdkj dk rkRi ; Z mu 0; fDr; ka vFkok 0; kol kf; d  
I āka I s gS tks fofHku xfrfof/k; ka tS s xBFkky; @ I p̄uk dlnz vfHkdYi ] M/k cd  
vfHkdYi ] vfHkys[k izU/k] gkbs j vks̄ I kVos j p; u vks̄ i f'k{k.k vkfn ea I ayXu  
jgrs gā bl ds vrfjDr I phdj.k vks̄ I æg fuelz.k] I Eikndh; I ok; ā vuøe.khdj.k]  
I kjdj.k vkfn I ok, WHkh inku dh tkrh gā

(iii) **vH&ykbū foØrk&** bl Jskh ds vUrxr dEI; Wj vk/kkfjr I p̄uk i qizIr I ok, W  
inku dh tkrh gā vuø fo'k"V xBFkky; ka vks̄ I p̄uk bdkbz, ka }kjk vi uh [kkst:ka ea  
ckā 0; ki kfjd I ok, W fofHku nij I pkj rU=ka ds e/; e I s vH&ykbū : i I s mi yC/  
k jgrh gā

**½½ yHk fujišk I p̄uk e/; LFK&os** I Hkh 0; fDr vFkok I LFku tks fu%k'd I p̄uk  
inku djrs gā yHk fujišk I p̄uk e/; LFK dgykrs gā ; sfuEu izkj ds gk I drs gā

(i) **rduhdh }kjiky&rduhdh }kjiky** dk rkRi ; Z mu e/; LFka I s gS tks fdl h I æBu  
vFkok I LFku ds mi ; ksdrkz/ka vks̄ ckā I p̄uk L=ka ds e/; dMh ds : i ea dk; Z  
djrs gā vk/kfud I p̄uk ; æ ea mi ; ksdrkz/ka }kjk Rofjr I p̄uk mi yfC/k grqekkh  
dh tkrh gā

(ii) **iārdky; hā p̄uk vf/kdkjh&** fofHku xBFkky; ka vks̄ I p̄uk dlnka ea dk; j r  
xBFkky; h vks̄ I p̄uk vf/kdkfj; ka }kjk i kBdka vks̄ mi ; ksdrkz/ka dh mudh ofN  
I p̄uk ; Fk I e; mi yC/k djokus dk iz, kl fd; k tkrk gā vkt xBFkky; h }kjk  
I p̄uk vf/kdkjh ds : i ea vuø I ok, W inku dh tkrh gS tS &vuøe.khdj.k]  
I kjdj.k] vuøkn] p; ukRed I p̄uk i z kj] I kef; d vfHkKrk I ok vkfnA

(iii) **I p̄uk fQYVj & I p̄uk fQYVj** dk rkRi ; Z mu I p̄uk e/; LFka I s gS tks vuUr I p̄uk  
vks̄ vuø U/kkudrkz ds e/; dMh ds : i ea dk; Z djrs gā

mi jkDr of.kr I p̄uk e/; LFK vukS pkfjd : i I s I p̄ukvka dh mi yfC/k djokrs gā  
tS &vn'; egkfo|ky; ] foLrkj] dk; Zrk] pEcj vkD dkhel ] Cykh fodkl vf/  
kdkjh rFk LokLF; dk; Zrkā



- (iv) **vn'**; **egkfo | ky**; & vn'; egkfo | ky; ka dk rkRi ; Z mu ykHk&fuji {k I p̄uk e/; LFKka I sgS tksfdl h fuf'pr I kekftd {ks= dsifr vi us dk; k̄ dsifr vi us dk; k̄ dks I efi 7r dj nrs gā bl izdkj ds dk; ZrkZ i k; % I Hkh {ks=ka ea tS s I jdkjh I LFkku] df''k] mRi knu dk; [0; ki kj] 0; ol k; ] m|eka vkfn ea mi yC/ k gksrs gā
- (v) **fo'k̄k̄k fudk**; & fo'k̄k̄k fudk; dk rkRi ; Z mu I p̄uk e/; LFKka I sgS tks mi ; k̄sdrkZ/ka dks I p̄uk ds vk̄u&ykbu [k̄st ea I gk; rk i nku djrs gā fo'k̄k̄k fudk; dks ^, DI i vZ fl LVe\*\*] ^uk̄yst fl LVe\*\*] ^uk̄yst&ct̄M fl LVe\*\* buVsytt̄V fl LVe\*\*] vkfn Hkh dgrs gā

**2-4 MkVksd vfHkdYi drkZ , oa izakd** (Data base Designer & Manager)

MkVksd vfHkdYi ukdrkZ , oa izakd i æq [ I p̄uk L=kr ds : i ea vi uh I dk, Wnrs gā MkVksd vuqz k̄ dh c<rh gpZ tfVyrkva ds dkj .k MkVksd vfHkdYi uk Hkh vR; Ur dfBu gks x; k gā MkVksd ds yf{kr mi ; k̄Drk dh df=erk ds QyLo: i MkVksd vfHkdYi u] ea I Ei wkZrk] v[k.Mrk] I keUtL; tS s vfHkdYi i {ka vkfn dk I ekoš k vfuok; Z gks x; k gā MkVksd vfHkdYi drkZ dh Hk̄iedk vR; Ur egRoi wkZ gksrh gā

**2-4-1 I p̄uk izkkyh vfHkdYi vk̄j fodkl ea I yXu 0; fDr; ka dh J&.k; k̄**

(Categories of person involved in information system design and development) & I p̄uk r̄= vfHkdYi vk̄j fodkl dk i æq [k mn̄s; mi ; k̄Drk eS=hi wkZ ru= ds fueZk }kjk I p̄uk dh Rofjr mi yfC/k gā I p̄uk izU/ku ds }kjk I p̄uk dkfeZka ds e/; I elo; LFKfi r fd; k tkrk gā

- (i) vfHkdYi fo'k̄k̄k
- (ii) izU/kd
  - vfHkdYi fo'k̄k̄kka ea I p̄uk fo'yšk] ru= vfHkdYi drk] fØ; k&fof/k ys[kd] i k̄s̄tej] MkVksd fo'k̄k̄k vkfn dks j [kk tkrk gā vfHkdYi fo'k̄k̄kka }kjk mi ; k̄sdrkZ/ka dh vko; 'drkva ds vuq i ru= dk vfHkdYi fd; k tkrk gā
  - izU/kdka dh Jskh ea MkVksd I p̄kyd] MkVksd izkkl d] x̄bFkky; h vkfn dks j [kk tkrk gā izU/kdka }kjk I p̄uk i k̄s|k̄sxdh ds iz k̄s }kjk I p̄uk dk; ZrkZ/ka ds dk; Z dks

vf/kd mlur cukus ds iz kl fd; s tkrs gA

## 2-5 I pkj ek/; e (Media)

I pkj ek/; e 'kCn vxsth ds ^ehfM; k\*\* (Media) ds 'kCn ds I ekukUrj iz ksx  
eayk; k tk jgk gA I pkj ek/; e ds }kjk I Ei \$kd vksj Jkrk ds chp I pukvka  
dk ijLij vknku&inku gkrk gA vFkkz~L=kr vFkok I Ei \$kd vksj I xkgd  
ds chp I rqgh I pkj ek/; e gA nll js 'kCnka ea ge dg I drsGSfd I ns'k ; k  
I puk dks i Hkko'kkyh <x I siki d rc igpkus dsfy, I pkjd@L=kr ftl ek/  
; e dh I gk; rk yrk gSogha I pkj ek/; e gA gjkYM ykll osy ds vud kj I pkj  
ek/; e ds eud; dk; Z I puk I xg.k , oa iz kj] I puk fo'y'sk.k] I kelftd  
eW; , oa Kku dk I pj.k vksj eukjat u djuk gA ch-dqi llokeh ds vud kj  
I pkj ek/; e L=kr , oa L=kr , oa L=kr ds e/; n'; gA  
i pfyr I pkj ek/; eka dks i xed[krk nks Hkkxka ea oxhd'r fd; k tk I drk gA

### I pkj ek/; e

ijEijkxr ek/; e

vk/kfud ek/; e

fi W ek/; e

byDVkfud ek/; e

xak ij k I ekpkj I febr i =& i f=dk, W vU; I kfgR;

pyfp= j sM; ks njn'kU nji I pkj vkfn

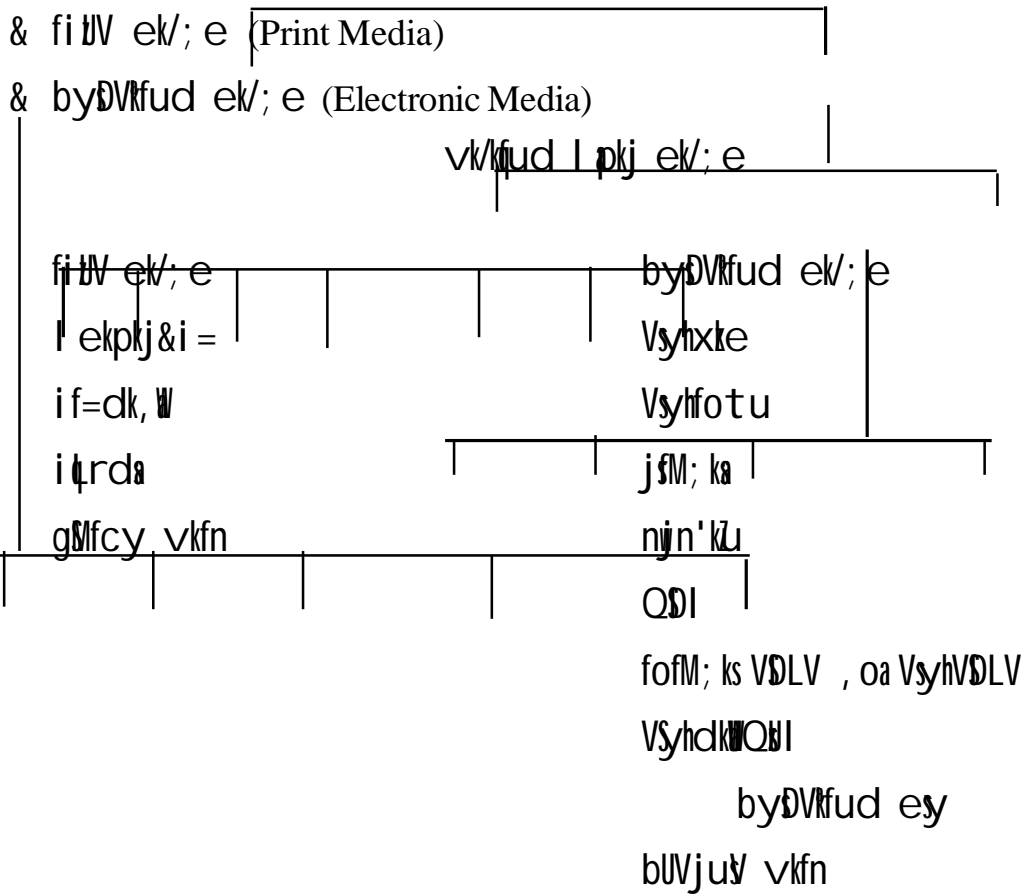
ykdukv; ykd xhr ykduR; I kfgR; okriz vU; I kfgR;

ek/; e ; ki=d u gkdj 0; fdrijd Fkka ekS[kd I pkj vU; I pkj i f0; kvka dh  
vi \$kk vf/kd i Hkkjh Fkka ofnd ; q ea ykska ds e/; I Ei Uu gkus okys okn&fookn  
I pkj ds i xed[k I k/ku Fkka bl ds vfrfjDr I Ur&egkRek] HkkV&pkj.k vkfn mi ns'k]  
xhr vkfn I pkdj ; g dk; Z fu"i kfnr djrs Fkka dkykUrj ea rhFkz LFky] efinj rFk

eB vkfn l þkj ds i æd[k dlnz cuA /kkfeð mRl o] eys i ol dFkk&okpu vkfn us l þkj ea egROI wKz Hkkfedk dk fuokg fd; kA buds vfrfjDr ykd ukV; ykd xhr] fofok dyk, W ¼p=dyk] efrzdyk] okLrþdyk½ vkfn dk iz ksx Hkh l þkj gsrq gksrk Fkka

**vk/kfud ek/; e (Modern Media)**

vk/kfud ipfyr l þkj ek/; eka dks fuEufyf[kr JS.k; ka ea foHkkftr fd; k tk l drk gA



l þkj ds ek/; eka us l þuk ds vknku&in ku dh {kerk dks l ekt ds i R; d {ks= ea folr fd; k gA eks[kd l þkj useud; dks l q ãdr cuk; k rFkk ml dh l ãdr vkj ijEijk dks etar fd; kA epzk dyk dk vkfo"dkj l þkj {ks= ea, d ØkfUr ds : i eans[kk tkrk gS vkj epzk dh ØkfUr vkxspydj fopkjka dh ØkfUr fl ) gþA vk/kfud ; kã=d fodkl vkj l þuk i ks kfxdh usekuo fodkl dh l dkj kRed : i l s l Hkh vk; kela ij i Hkkfor fd; k gA l þkj ds ; kã=d fodkl dh ; k=k fi ÆVx i d fQYe j sM; k; Vsyhfotu dEI; Wj l s gsrh gþz mi xg rd i gþb xbz gA ; krk; kr rFkk l þkj l k/kuka ds fodkl usfo'o dks l ãdr cuk fn; k gA l þuk foLQkv ds bl ; q ea

I p k j I k/kuka dk egRo fufobkn gA

**2-6 I kjlk&** I p uk foKku vR; Ur tfVy o cgw;k; keh fo"K; gA ; d , d ddky] vutkoh o if'kf{kr I p uk vf/kdkjh dh ekK djrk gS tks byDVkfud I a \$k.k] dEI; Wj o nyl p k j rduhdka dk I keuk dj I dA] ; fn i qrdky; h I p uk I a \$k.k ds vk/kkfud ek/; eka dks Lohdkj dj muds vuq kj Lo; a dks : i kUrfjr ugha djxs rks fudV Hkfo"; ea dEI; Wj rduhd ds fo'k\$K i qrdky; o I p uk foKku ds {ks= ea vf/ki R; tek yxs vksj vfr 'kh?kz i qrdky; h , d egRoghu fyfi d ds : i ea i qrdky; ds , d 'kka dksus ea cBk gw;k dk; Z djxkA

## 2-7 Lo tkp vH;kl (Self -check Exercise)

- 1- vk/kkfud I ekt ea I p uk e/; LFk dh Hkiefdk dk o.ku dhft , \
- 2 I p uk e/; LFk I svki D; k I e>rs gN bl ds dk; k dh ppkZ dhft , A
- 3 I p uk i zku vk/kkfud I ekt ea MKV/kcI vfHkdYi drkZ dh Hkiefdk dh ppkZ dhft , A
- 4 I p uk I ekt ea vk/kkfud i qrdky; 0; ol k; h dh Hkiefdk dh foopuk dhft , A
- 5 fuEu ij fvi .kh fyf[k , &
  - (i) i jkEi jkxr ek/; e (Conventional Media)
  - (ii) vk/kkfud ek/; e (Modern Media)
  - (iii) efnr ek/; e (Print Media)
  - (iv) byDVkfud ek/; e (Electronic Media)
  - (v) ohfM; ka , oa VsyhVSDI (Vedio and Teletext)
  - (vi) byDVkfud esy (Electronic Mail)
  - (vii) buVj us/ (Internet)