



# Review Of ReseaRch

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**dforkaruu Nk=k/; ki dkarhy f'k{kdk mRrjnkf; Ro l o/kz%, d vH; kl**

**MMW'kns Hkxor vl kjke**  
**I gk.; d i k/; ki d ] Lokeh I gtkuan Hkjrj dkyt vkwD ,T; pdku]**  
**Jhkeij] ft- vgenuxj-**

## **ikLrkfod**

mRrjnkf; Ro gk f'k{kdkP; k vkn"lz orZupk iæ[k Hkx vl rks  
f'k{kdkP; k l oZ dk; kP; k i k; kHkR LFkkuh mRrjnkf; Ro egrRokph Hkiedk  
fuHkkoR vl rs ; kn'Vhus f'k{kdkps mRrjnkf; Ro ekykps Bjrs f'k{kdkh  
0; ol k; kps egrRo fo"kn djrku 1996 P; k jkLrkxh l ferhus EgVys  
vkgs dh] f'k{kdkh 0; ol k; gk l oZ 0; ol k; kP; k ekrLFkkuh vkgs  
i.k vktgh f'k{kdk f'k{k.k dk; Døe l okkh.k xqkoRrkikz f'k{kdk  
?kMfo.; kr vi; "kh Bjrs vkgs

"k{kf.kd mRrjnkf; Ro R; kpoGh ; "kLoh gkÅ "kdrs T; koGh  
mRrjnkf; Ro fodkl ijd okroj.k vl sy- R; kl kBh vi iðRrhuk f'k{k o  
l niðRrhuk ij.kk feGkoh ; kl kBh thoueku mpko.kkjs vkrfjd o ckg; ijd v"kh ; kstuk dj; yk goh-  
; k nf'Vdkukru f'k{kdk f'k{k.k.kru "k{kf.kd dforkaruu Nk=k/; ki dkarhy f'k{kdk mRrjnkf; Ro l o/kzups egrRo  
BGdi.ksy{kk; ; s



## **v- mfi"Vs**

Nk=k/; ki dkl @Nk=k/; kdke/; s, d mRrjnkf; Ro"ky f'k{kdkP; k Hkiedkru

1- okpukph i fØ; k l etu ?ks; kl l {ke dj.ks

2- okpukru 0; fDreRro fodkl l k/k.; kpk nf'Vdku fodfl r gks; kl enr dj.ks

3- f'k{kdk mRrjnkf; Rokph iæ[k {ks=} mi {ks=} mRrjnkf; Ro fodkl ijd xqkoS"V; s b- ps vkdyu gks; kl  
enr dj.ks

4- dforkaruu ekMysegRRoiwkz fopkj] dYiuk] er} nf'Vdku b- ps vkdyu gks; kl enr dj.ks

5- dforkaruu ekMyY; k egrRoiwkz ckchpk ,d f'k{kdk Eg.ku LorØ; k thoukr iR; {k  
vaxhdj dj.; kl enr dj.ks

## **c- l akdku in/krh**

iLr I akkskukl kBh l akkskdus l akkskukps Lo: i] ueqk] iz kx ; k l oZ ckchpk l kdY; iwd fopkj  
d: u ?kVuk vH; kl l akkskukph fuoM dsh vkgs

;k i d k j P; k l a k s k u k e /; s , [ k k | k l a d Y i u s l a n H k k r v u s d 0; D r h a ; k i R; {k v u t k o k p k v H; k l d s y k t k r k s , [ k k | k ? k V u d a n H k k r v u s d @ f o f o / k 0; D r h a u k v k y y ; k v u t k o k r u l e k u / k x x k " k k s . ; k p k i z R u d s y k t k r k s o R; k ? k V u f o ' k ; h , d l k e k u ; r R o l k a x r y s t k r s

#### d- iz kskl kBh ueqk fuoM

iz kskl kBh ueqk fuoM djrkuk l q okrhk vk>kn dkwst vkND ,T; pksku ; k egkfo | ky; krhy dyk o foKku "kk[krhy , dwk 160 Nk=k/; ki dkauk f'k{k d mRrjnkf; Ro ekiu pkp.khph i wZ pkp.kh ns ; kr vkyh- i wZ pkp.kh u r j x q k k u o e s dyk o foKku "kk[krhy Nk=k/; ki d k p h O e o k j h y k o . ; kr vkyh- R; k u r j y k W j h i / n r h u s i k ; k f x d o f u ; f = r x V k r h y i R ; s d h 40 Nk=k/; ki d k p h f u o M d j . ; kr vkyh- g h f u o M d j r k u k R ; k p h f o | k " k k [ k k o f ' k { k d m R r j n k f ; R o k r h y i w Z p k p . k r h y x q k i k e f ; k u s y { k k r ? k s ; k r v k y s

#### M- l a k s k u d k ; b k g h

fuoMd dforok okpu] iz'ukRrjs o ppkZ ; k mi O e k l k B h m R r j n k f ; R o k a k h l a f / k r n k u d f o r k p h g n i o d f u o M d j . ; k r v k y h - i f k e N k = k / ; k i d k a u k y f [ k ] d f o r k o k p u k l a n H k k r v k o " ; d c k c h l a d k h e k x h " k u d j . ; k r v k y s x j t s u q k j l a k s k d k p h e n r ? k s ; k l l a x r y s u r j N k = k / ; k i d k a u k l O n j g k " e h ; k R ; k e G ' f d r k s ; k d f o r p h n k l w o s l ; k a u h v u p k n h r d s y h ' i l r d s g h d f o r k i w k x V k y k o k p o ; k l f n y h - R ; k o j , d w k 5 x V k r x V p p k z ? k s ; k r v k y h - d f o r k f u g k ; x q k k R e d f o " y s k . k [ k k y h y i e k . k s g k s -

#### 1- i l r d s & g k ' e h l O n j -

dforps okpu] iz'ukRrj s m R L Q u r z i f r f O ; k ] f u j h { k . k s o i f r l k n k p s f o " y s k . k d y ; k u r j N k = k / ; k i d k a u h f ' k { k d m R r j n k f ; R o i j d x q k o s " k V ; s r l p f o | k f ; k a r h o 0 ; k o l k f ; d m R r j n k f ; R o k l a k h t k l r i f r f O ; k f n y ; k p s f n l u ; s s ; k r h y i k f r f u / k h d o e g R R o i w k z i f r f O ; k [ k k y h y i e k . k s g k s -

1- i l r d k e / ; s l o z i d k j P ; k K k u k p s H k k M k j n M y s y s v l r s i l r d k r u v k i . k k y k t x k r h y l o z x k s V h p s K k u f e G r s o r e k u ] H k r o H k f o ' ; k r h y l o z x k s V h i l r d k r n M y y ; k v l r k r - R ; k l k B h o x o x G ; k i d k j p h i l r d s l k r R ; k u s o k p y h i k f g t r -

2- i l r d s d f o r o : u ' o k p k y r j o k p k y a ; k l o p u k p k v f k z l e t y k - [ k j p ! i l r d k a " k o k ; e k u o h t h o u k y k d l y k g h v f k z j k g . k k j u k g h - i l r d k a " k o k ; e k u o h t h o u u h j l ] c p o o v f k z h u g l b y ] g s V k G - ; k l k B h t h o u k s ; k s x h i l r d s o k p k ; y k g o h r -

3- i l r d s e k . k l k y k ? k M o r k r ] i l r d k a u q k j v k i y h f o p k j l j . k h c n y r s v k p k j & f o p k j k o j i H k k o i M r k s e u " k k r g l e s f o p k j h c u r s p l a x y s o k b V ; k r h y Q j d d G k ; y k y k x r k s p k f d l o R r h o k < r s K k u k r H k j i M r s l o k a h . k f o p k j d j . ; k p h { k e r k o k < r s

4. , [ k k n s i l r d v k i y s v k ; q ; c n y o u V k d r s t h o u k y k f n " k k n r s v k i Y ; k r v k e y k x z c n y ? k M o r s l k e k u ; e k . k l k r u v l k e k u ; e k . k l s ? k M f o . ; k p s d k e i l r d s d j r k r - R ; k l k B h u g e h i j . k k n k ; h i l r d s o k p k ; y k g o h r -

5- f ' k { k d k p ; k t h o u k r i l r d k b r d s e g R R o i w k z d k g h p u k g h - i l r d s g h f ' k { k d k p s l o k k r e e k x h " k d ] f e = ] r R o K v l r k r g s y { k k r ? k a u f ' k { k d h i s k k y k p l a x y k v k d k j | k ; p k v l y r j f ' k { k d k u s p l a x y h i l r d s o k p y h p i k f g t r a v l ; F k k r s p l a x y s f ' k { k d g k a " k d . k k j u k g h r a

6- v k i y s v / ; k i u i H k k o h g l s k s f o | k f ; k a u k v k G [ k . k s x j t s u q i f o | k f ; k a u k e k x h " k u o l e i n s k u d j . k s i j . k k n s k s R ; k R ; k l e l ; k p s f u j k d j . k d j . k s l [ k k y K k u f e G o . k s ; k l o k a k B h f ' k { k d k u s i l r d s o k p y h p i k f g t r - f ' k { k d k a k B h i l r d k b r d k e k B k x q n d j k d k s k g h v l w " k d r u k g h -

7- f ' k { k d i l r d k a o u k v / k j k v k g s i l r d k a " k o k ; f ' k { k d k p h v o L F k k d G l w h c k g y h l k j [ k h g l b y -

## vFkfuopu o fu"d"z

iLr q mi dck/kkjhr Nk=k/; ki dkr; k ; k i frfdz k o R; kru 0; Dr gskkjhr oru ifjorukph fun"kdz gh f'k{k d mRrjnkf; Ro fodkl ijd xqkoS'K'V; s r l p fo | kfkz o 0; ol k; kirh mRrjnkf; Ro ; k {k=k"kh l dck/kr vl Y; kpsfni u ; s

; ko: u Nk=k/; ki dkr f'k{k d mRrjnkf; Rofodkl ijd xqkoS'K'V; s r l p fo | kfkz o 0; ol kirh mRrjnkf; Ro l d/kzP; k n'Vus i qrd okpukps egRRo Li 'V >ky; kpsfni u ; s

## 2-i ozh & doh d qkxt

vki .k T; k l ektkr jkgrs R; k l ektkrhy fofo/k l kelftd l eL; k dksR; k\ R; k d"keGs fuekz k gkrk\ R; koj ekr d"kh djrk ; bzy\ ; k l o z if0; s f'k{k.kkph uedh Hkiedk dk; vl k; yk goh\ dk; fni u ; s ; k i'zuka d nLFkkuh B'au iLr q dforph fuoM dsh gkrh- r l p ; k i'zuka l kerp rRdkyhu ukf"kd dHkeGk] ok<rh cpkckth ; kfo'k; h Nk=k/; ki dkr uDdh dk; okVrs rs tk.ku ?ksksggh iedk grw gkrk-

iLr q dforps l iwkz xVkr okpu i'zukaBrj y[ku] mRLQwz i frf0; k] ppk fujh{k.ks o i frl knkps fo"ysk.k dY; kuw Nk=k/; ki dkr f'k{k d mRrjnkf; Roki r h l okz/kd i frf0; k fny; kpsfni u ; s ; k rhy i krfu/khd o egRRoiwkz i frf0; k [kkyhyiek.ks gkr-

- 1- 'iozkh' ; k dforps dfous l ektkrhy ok<rh cpkckth] nbnkn eukRrh] vdkJn/Atk] HkVkpj] no o /keP; k ukokoj pkyysy foNr ctk: 0; oLFkk] inq.k] fo'kerk] nkjhaz] vKku] "kksk.k b- fofo/k l eL; koj ij [kM Hkk'; dsh vks
- 2- ; k rhy cgrd l eL; k ikef; kus oKkfud n'VdkuP; k vHkokeGs fuekz k >ky; k vkgr- oKkfud n'Vdku ul Y; keGs vdkJn/Atk] nbnkn] cpkckth ; kl kj [; k l eL; k vktgh fnol anol ok<r tkrk fni rkr-
- 3- vdkJn/Atk] nbnkn eukRrh] cpkckth ; k iJLijid ckh vkgr- R; keGs l ektkrhy oKkfud n'Vdku o [kU; k [kU; k] l k/kh arkph mi {kk gks l ektkrhy nkjhaz] vKku] "kksk.k] fo'kerk] vl gk.; rph Hkkouk o iJkkr ekufi drk ok<hl ykxs
- 4- 0; Fkz xyk rdkA 0; Fkz Kkusoj] l rkps i pkjA oka >kyAA vl s dfous EgVys rs [kjs vks dkj .k ; k l arkph vki Y; k l kfgR; kru nbnkn] vdkJn/Atk] cpkckth ; k ukdk: u foKku] food o ekuorpph f'kdo.k fnyh gkrh- i.k vki .k R; kP; k dG eH; k] xfk intr jkfyys vkf.k R; kP; k fopkj kph] f'kdo.k d hph ek= ?kij mi {kk dsh- R; keGs vki Y; k dMs no o /keP; k ukokoj pky. k jh y hph ; a. k vktgh fVdu vks
- 5- oKkfud n'VdkuP; k : to.k dhrw vki Y; k l ektkrhy vdkJn/Atk] nbnkn o cpkckthps fuey du dj. ; kP; k dkeh vki ys f'k{k.k [kjk [kjp dpdkeh Bjys vks 107% Nk=k/; ki d% dkj .k vki Y; k dMs foKku f'kdoys tkr i .k oKkfud n'Vdku f'kdoys tkr ukh-
- 6- T; k iek.kkr f'k{k d k dMs oKkfud n'VdkuP; k i pkj o i l kj gksks xj tps vl rs frd; k iek.kkr rks gkrp ukh- myV vki Y; k dMhy fuEE; kgu tkLr f'k{k d vdkJn/Atk] nbnkn o cpkckthyk cGh i MY; kpsfni u ; s r-
- 7- , [kknh xksV dj fdok d: udk vl s l kxrys tkr i j r q rh dk djkoh fdok dk d: u; s ; kps rd l ar dkj .k | k; yk vki yh f'k{k.k 0; oLFkk deh i Mrs o R; keGs vki Y; k dMhy vdkJn/Atk] cpkckth ok<rs
- 8- ukf"kd yk nj ckjk o'kkz gskkU; k fl gLFk dHkeG; kl kHh "kkl ukP; k frtkjhrw dj kMks : i ; kpk [kpZ gkrk i ; k j .k kps i pM iek.kkr inq.k k gkr} gs vR; r p d hps o vukBk; h vks vl s vEgk l okuk okVrs 100% Nk=k/; ki d% "kkl ukus l ektP; k /kfeZ Jn/Atk] Hkkouk gkuh u i k p o r k vl Y; k vukBk; h] voKkfud i Fkz cnh ?kryh i k fts gk dj kMk i s k l ektkrhy brj fo/kk; d dkekl kHh okijyk i k fts

9- brj i R; {k mi ; kst uk/kkjhr oš fDr d Lo: i kP; k egRRoiwKz ifrfØ; k [kkyhyiæk.ks gkr-

- 1- ; kl kBh eh "kkl ukyk o dHkeGk Hkjfo.kkU; k l ferhyk l foLrj i= fygu ; kru gskkjs rks/ l etkou nskkj vkg
- 2- yk[kks ykd , d= vKY; koj rFkhy l kožfud l ok l fo/kkoj rk.k ; Åu ipM iæk.kkr inq.k rj gskkjp-
- 3- QDr dHkeG; kl kBh ukgh rj brj l op ; k=kæ/; si ; kbj.kij d 0; oLFk vk.k.; kpk iz Ru djok-
- 4- dHkeG; kP; k fBdk.kh l jdkjus r l p l ož turus inq.k k jk{k.; kl kBh ; kx; rh i koysmpyyh i kfgtr-
- 5- Hkkjrkr [kii ykd vl svkgr dh] T; kau nks oGps to.kgh feGr ukgh- R; kP; kdMsnyZk d: u dōG JnAß; k ukok[kkyh] ykdHk; kLro "kkl ukyk ; k vl Y; k dkekl kBh djkmks : i; s [kpž dj; yk dkghp d l sokVr ukgh\
- 6- vkt gtkjž yk[kks r: .k cdkj vkg] R; kau ukdU; k ukgh- xkj&xjhckau i k/Hkj vlu feGr ukgh- v"kk nskkr /kfež d; kl kBh vl sdjkmks : i; s [kpū inq.k dj.kseyk pphpsokVrs
- 7- vkpsfo | kFkz o i; kž kus m | kpk Hkkoh l elekt vāJnAkk] nōokn] cōkckthyk cGh i Mw; s; kl kBh vkEgh R; kP; k vax oKkfud eukkkokph : to.kd d: - iR; d xksVhekxhy dk; ždkj.kHko l etkou l kxj R; kP; krhy fpdfRl d orrh fodfl r dj.; koj fo"ksk Hkj nÅ- vāJnAkk fuejyukP; k dkekr l ghkxh gkÅ] vāJnAkk fuejyukP; k peRdkjps iz kx fo | kF; kāk l etkou nÅ] R; kekxhy eyHkr foKkukph R; kau mdy d: u l kxj JnAs l kcrp R; kau foKku] food] ekuork o iz Ruoknps egRRo l etkou l kxj foKku dōG ijh(krhy ekdž i jrsu Bōrk rksnūānu thoukpk vfoHkT; Hkkx d l k gkōy ; koj vf/kd Hkj nÅ-

### vFkūoβu o fu"d"Kz

iLrē midēk/kkjhr Nk=k/; ki dkr; k ; k ifrfdz k o R; kru 0; Dr gskkjh orž ifjoržukph fun"kdš gh l ektkižh mRrjnkf; Ro o fo | kF; kār h mRrjnkf; Ro ; k {k=k"kh l cā/kr vl Y; kpsfni u ; rs ; ko: u iLrē dfork okpukP; k mi Øekru Nk=k/; ki dkrhy l ektkižh mRrjnkf; Ro o fo | kF; kār h mRrjnkf; Ro gh {k=s l of/kž gkrkr vl s Li 'V gks

### b-mi dēk/kkjhr iē[k fujh{k.ks o dkj.khehkd k l ekjki

l kjkākkus Nk=k/; ki dkrhy f'k{k d mRrjnkf; Ro l æ/kækrhy iLrē mi Øekph mi; Ørrk y{kkr ; rs ; krhy iē[k fujh{k.ks [kkyhyiæk.ks gkr-

- iLrē dforkpsLo: i] vk"K; iō.krk y{kkr ?kou fof"K'V mfnā'Vkuq i R; kph fuoM dšh gkrh mi Øekph i wKz dk; žkgh >KY; kuāj rh l kFkz >KY; kps Li 'V gks
- okpuh; rk] fopkjio.krk gs dforkps iē[k cyLFkku gks vārer% rp ; k mi ØekP; k ; "kLohrs vf/kd i Hkko"kyh vl Y; kps Li 'V gks
- iLrē mi Øekrhy l Qnj gk"eh] doh dā ēkxzt] gh l ož y[kd eMGh dōG fyfgrh ul u R; kuq kj tx.kkj] vkn"Kž thoukpk l k{kRdkj ?kMo.kkjh i Hkko"kyh 0; DrheRRos gkrh ; krhy R; kps dā .k fo"ksk mBū fnl .kjs gks gh ckc nēkhy ; k mi ØekP; k ; "kLohrs dāLFkkuh vl Y; kps Li 'V gks
- ; krhy iR; d dfork okpukl kBh R; k&R; k fnol kP; k vxnh l q okrhpk oG fnyk gsk- ex rks l dkGP; k l =krhy vl ks ok nā kjP; k l =krhy vl ks gh ckc nēkhy ; k mi Øekr egRoiwKz BjY; kps Li 'V gks

### l nHkz xÅ%

- 1- d jnhdj] l ēu- 1/2006½ T; sB f'k{k d gk ufk"kd %; "konjko pōgk.k egkj k'Vā ēp fo | ki hB-

- 2- dkeG} mRe- 1/2014½ fQjLrh i qks %eukfodkl i dk"ku-
- 3- dpm\$ yoGdj] vu?kk- 1/2004½ l kelftd tk.kho l d/ku & iz kxkru if'k{k.k.kdMs i qks % Kkuickf/kuh i dk"ku-
- 4- dkkj] vkj,- 1/IVa 2013½ f'k{kdkp ?kM.kā tM.k&?kM.kā
- 5- dyd.kh] gje- 1/2007½ "kkGk vkgs & f'k{k.k ukgh! eqbz %xdkkyh i dk"ku-
- 6- dyd.kh] gje- 1/IVa 2013½ [kjpaf'k{k.k l dkkj; padk\ tM.k&?kM.k-
- 7- dyd.kh] gje- 1/2017½ f'k{kdkd kBh l kusxq th i qks %l k/kuk i dk"ku-
- 8- dyd.kh] l gkl - 1/ā i knd½ 1/2006½ [kj[kjs vk; MkMl] Hkx 1- i qks %l edkyhu i dk"ku-
- 9- eG} jk- "ka vkf.k mekB} fo- rē 1/1987½ "k{kf.kd l ā'kkukukph enyrRos ukxi j %egjk'Vā fo | ki hB xdk fufelh eMG-
- 10- f'kjokMdj] fo- ok- 1/ā i knd o\$] "kdj-½ 1/1989½ i dkl h i {kh eqbz %i kM; yj i dk"ku-