



ek/; fed fo | ky; ka ea dk; j r ç' kf{kr , oa vçf' kf{kr v/; ki dka dh d{kk var%Ø; k dh
ek=k : , d nyukRed v/; ; u

fcrt's k døkj 'kek] **Ph. D.**

, e-, -] , e-, /- / h-] , e-, M-] us] i h-&, p-Mh-] çkpk; /çkQd j & foHkxk/; {k , e-, M-½
p8kjh urFkfl g ; kno %i h th% egfo /ky;] ngylh] eLi j h] m-ç-

Abstract

ubz
jk"Vh; f'k{k uhfr yuk vko'; d gš exj ml l s Hkh egRo i w k gš mu ytxka dk 'mRl kgr] çfjr vçf' çf'kf{kr* gkuk
ftlga ml ds fØ; k lo; u dh ftEenkjh l k h tkuh gš v/; ki dka ds l ædk ea ekuoh; Lrj ij gj l H; rk ea vçf' gj
Hk"kk ea ts l okke dgk tk l drk gš dgk tk ppxk gš Hkjr ea x# dks bz oj ds Hkh igys LFku nus dh i j a j k
jgh gš ç' u ; g gš fd 0; ogkj ea vkt fLkr D; k gš bl l e; Hkjr ds f'k{k od' od' i f j ç'; ea dgkj gš jk"Vh;
Lrj ij jk"Vh; v/; ki d f'k{k i f j "kn dk xBu 1993 l d n dh Lohçfr l s gpxkA 1998&1999 , u-l h-Vh-bz i j h r j g
fØ; k'khy gš xBA 2012 ea tflVI ts, l - oekz vk; kx us vi us çronu ea dgk Fk fd n's ea 17]000 l s vf/kd
f'k{k ç' k{k. k l LFku gš ftuea 92 çfr'kr futh çaku ds vxh vkr gš buer l s vf/kd k l LFku }kjk vPNk
ç' k{k. k u nus dh dr dgus, oa l pus ea vrh gš vkt ; g dgk tk jgk gš fd vc , u-l h-Vh-bz vi us Lo: i dks
dk; e j [kus ea vl Oy gš jgh gš tçd jk"Vh; v/; kd f'k{k i f j "kn dk xBu vçf' fØ; k lo; u v/; ki d ç' k{k. k
dh xqkoÜkk ds fy, ç; Ru gš bl ç; Ru ds i f j. kela dh tkp ds fy, ç' k{k. k ds çHko ds v/; ; u dh vko'; drk
gš

d{kk var%Ø; k f'k{k. k vf/xe çfØ; k ea i kj Li f d 0; ogkj dk og : i gš ft l ea nks ; k nks l s vf/kd 0; fä
% f'k{k d , oa Nk=½ d{kxr i f j fLkr; ka ea 'kkfnd l ædk. k l s tMæ jgrs gš çf'kf{kr , oa vçf'kf{kr f'k{k dka ds l Hkh
l eig ds e/; ekua l s ; g funf'kr gš gš çf'kf{kr ds e/; eku vçf'kf{kr l s vf/kd gš bl l s ; g Li "V gš gš
fd l Hkh çf'kf{kr ea d{kk var%Ø; k dh ek=k vf/kd i kbz tkh gš vFkç- çf'kf{kr f'k{k dka dh dFk var%Ø; k
nyukRed : i l s vf/kd gš ds i hNs 'kk; n ; s dkj. k gš l drs gš fd ; s d{kk f'k{k. k ea Nk= vutkçr; ka dks vf/kd
Lohdkj djrs gš rFk Nk=ka ds okfNr 0; ogkj ka rFk dk; ka dh ç'kd k djrs gš, oa Nk=ka dks muds fopkj k] l eL; kvka
rFk uohu rF; ka dks d{kk ea çLrç djus dk vol j çnku djrs gš



[Scholarly Research Journal's](http://www.srjis.com) is licensed Based on a work at www.srjis.com

fdl h Hkh jk"V^a dh çxfr] i f j oru vçf' çl llurk dk Lrj ogka ds ukxfj dka ds e/; l e>] l g; kx] i kj Li f d l Eeku] uokpkj ea : fp rFk ekuoh; eW; ka ds çfr çrc) rk ds i f j ek. k i j
fuHk] djrk gš bl ds fy, t: jh gš fd çR; çd cPps ds l a w k 0; fäRo fodkl dk mÜkj nkf; Ro jk"V^a
rFk l ekt Lohdkj dj bækunkjh l s bl dk fØ; k lo; u djA l kFk gh çR; çd cPps dks Kku] dks ky] ekuoh;
l dnuvka vçf' eW; ka dks l h [kus rFk thou ea mrkj us ds fy, vko'; d okroj. k] l g; kx] ekxh'k
rrk mRl kgo/kü feyA vFkç- gj , d cPps dks çf'kf{kr} çrc) rFk mRl kgh v/; ki d feyA vçf'
mul s cPpka dks : fpdj <x l s l gh fo | k vçf' vPNh xqkoÜkki w k f'k{k feyA ubz f'k{k
uhfr çk: i & 2019 ; kuh dLrj h j x u l fefr ds çronu ea f'k{k dka l ædkh v/; k; ea ; g l fuf' pr

djuk mīś; ds : i ea çLrqr fd; k x; k gS fd Ldny f'k{kk ds l Hkh Lrjka ij l Hkh fo | kFFkz ka dk f'k{k.k mRI kfgr] çfjr] mPp ; kx; rk çktr] i s'koj : i l s çf'kf{kd f'k{kdka }kjk gh gkA

ubz jk"Vh; f'k{kk uhfr ykuk vko'; d g\$ exj ml l s Hkh egRoiwKz g\$ mu ykxka dk 'mRI kfgr] çfjr vK\$ çf'kf{kr* gkuk ftUga ml ds fØ; kUo; u dh ftEenkh l kã h tkuh g\$ v/; ki dka ds l çk ea ekuoh; Lrj ij gj l H; rk ea vK\$ gj Hk"kk ea tks l okkUke dgk tk l drk g\$ dgk tk pçk g\$ Hkjr ea x# dks bz oj ds Hkh igys LFkku nus dh i jã jk jgh g\$ ç' u ; g gS fd 0; ogkj ea vkt fLFkr D; k g\$; g rks l o= ekuk gh tkrk gS fd fdl h Hkh n'sk ds ykxka dk Lrj ogka ds v/; ki dka ds Lrj l s Åpk ugha gks l drk g\$; g okD; vi us vki ea cgr dñ dgrk g\$ 'fdl h Hkh n'sk dh çxfr vK\$ fodkl dh xfr vK\$ xqkoUkk ogkj ds v/; ki dka dh dk; & dçkyrk vK\$ çfrc) rk rFkk muds }kjk vi us thou ea mrkjs x, eW; ka l s gh fu/kkZjr gksh g\$ x# v/; ki d ; k vkpk; l l s , d viçkk rks l ekt rFkk gj 0; fã dks gksh gS fd mudk vi uk vkpj .k vuçj .kh; gk\$ D; kfid os jk"Vª dh Hkkoh i hçh dk fuekZk djrs g\$ os gh jk"Vª fuekZk dh l jçuk dks etcirh nrs g\$ os gh jk"Vª fuekZk ds vk/kkj Lrthk g\$

bl l e; Hkjr ds f'k{kd of'od ifjç; ; ea dgk g\$ 2012 ea tflVI ts, l - oekz vk; kx us vi us çfronu ea dgk Fkk fd n'sk ea 17]000 l s vf/kd f'k{kd çf'k{k.k l LFkku g\$ ftuea 92 çfr'kr futh ççku ds varxh vkrs g\$ buea l s vf/kdkk l LFkku }kjk vPNk çf'k{k.k u nus dh çkr dgus , oal çus ea vkrh g\$

jk"Vh; Lrj ij jk"Vh; v/; ki d f'k{kk ifj"kn dk xBu 1993 l ã n dh Lohçfr l s gçkA 1998&1999 , u-l h-Vh-bz ijh rjg fØ; k'khy gks xbA vkt ; g dgk tk jgk gS fd vc , u-l h-Vh-bz vi us Lo: i dks dk; e j [kus ea vl Qy gks jgh g\$ tçfd jk"Vh; v/; kd f'k{kk ifj"kn dk xBu vK\$ fØ; kUo; u v/; ki d çf'k{k.k dh xqkoUkk ds fy, ç; Ru g\$ bl ç; Ru ds ifj .kkeka dh tkp ds fy, çf'k{k.k ds ifj .kke l çk v/; ; uka dh vko'; drk g\$ vr% 'kçkkFkhz us bl l eL; k dk p; u fd; kA

l eL; k dFku&

ek/; fed fo/; ky; ea dk; j r ds çf'kf{kr , oa vçf'kf{kr f'k{kdka dh d{kk vr%Ø; k dh ek=k& , d rnyukRed v/; ; uA

l eL; k ea ç; çã 'kçnka dh 0; k[; k%

çf'kf{kr f'k{kdk%

f'k{kdk l s vfHkç; % fo | ky; ka ea dk; j r mu f'k{kdk l s g\$ ftUgkus l çk ea vkus l s i wZ ; k i 'pkr fdl h çdkj dk f'k{kd çf'k{k.k ¼ch-, M-] , y-Vh-½ çktr dj fy; k g\$

vçf' kf{kr f' k{kda%

vçf' kf{kr f' k{kda l s vk'k; ek/; fed fo | ky; ka ea dk; j r mu f' k{kda l s g\$ ftUgkaus l ok
ea vkus l s i n l ; k i ' pkr fdl h çdkj dk vks pkfjd f' k{k.k çf' k{k.k çklr ugha fd; k gA
d{kk var-%Ø; k%

çf' kf{kr , oa vçf' kf{kr f' k{kda ¼ a çä l eg½ ds oLr r% f' k{k.k nks ; k nks l s vf/kd ¼ f' k{kda
, oa Nk=½ 0; fä; ka ds e/; pyus okyh çfØ; k gA d{kkxr i fjLFkfr; ka ea f' k{kda rFkk Nk= dk
çHkko fn [kkbz nsk gA d{kk ea f' k{kda dh 0; ogkj i) fr Nk= dh 0; ogkj i) fr ds fuekz k ds vk/kkj
i j dk; Z djrh gA d{kk ea f' k{kda vf/kd k : i l s Loks Øe djrk gS vksj Nk= vufØ; k djrk gA
tc Nk= Loks Øe djrk gS rc f' k{kda vufØ; k djrk gA bl çdkj d{kk ea 'kkfnd l Eçsk.k l s
f' k{kda , oa Nk= ds e/; var-%Ø; k, j gkri jgri g\$ ftl dk v/; ; u djuk vo' ; hkkoh gA D; kfcd
f' k{kda vi us Kku] çf)] dYi uk] rdZ vkfn ekuf l d , oa vkfRed 'kfä; ka ds }kj k vi us eflr" d ea
f' k{k.k ds l eLr fcnvka dks , dhçr djds Nk=ka dks d{kk çfØ; k ea 'kkfey djrk gS rFkk muds
0; ogkj ea ifjektZ dj 'kq] l a e , oa çf) eku cukrs gq i w kRo dh vkj ys tkrk gA ; | fi d{kk
f' k{k.k ea f' k{kda ds vrfj ä vl; rRo Hkh fØ; k' khy gkrs g\$ yfdu d{kk ea f' k{kda l tho rRo gkaus
ds dkj .k vf/kd çHkko' kkyh gkaus çgr vko' ; d gA

f' k{kda & Nk= var-%Ø; k f' k{k.k vf/kxe çfØ; k ea i kj Li fj d 0; ogkj dk og : i g\$ ftl ea nks
; k nks l s vf/kd 0; fä ¼ f' k{kda , oa Nk=½ d{kkxr i fjLFkfr; ka ea 'kkfnd l Eçsk.k l s tMj grs gA
v/; ; u dk mıs' ; %

- 1- çf' kf{kr , oa vçf' kf{kr f' k{kda dh d{kk var-%Ø; k dh ek=k dh rnyuk djuka
 - 2- çf' kf{kr , oa vçf' kf{kr i # "k f' k{kda dh d{kk var-%Ø; k dh ek=k dh rnyuk djuka
 - 3- çf' kf{kr , oa vçf' kf{kr efgyk f' k{kda dh d{kk var-%Ø; k dh ek=k dh rnyuk djuka
- v/; ; u dh i fj dYi uk, %

- 1- çf' kf{kr , oa vçf' kf{kr f' k{kda dh d{kk var-%Ø; k dh ek=k ea dkbz l kfkZd varj ugha gA
- 2- çf' kf{kr , oa vçf' kf{kr i q "k f' k{kda dh d{kk var-%Ø; k dh ek=k ea dkbz l kfkZd varj ugha
gA
- 3- çf' kf{kr ea vçf' kf{kr efgyk f' k{kda dh d{kk var-%Ø; k dh ek=k ea dkbz l kfkZd varj ugha
gA

'kks'k fof/k] U; kn' k] p; u] mi dj .k , oa l kf [; dh; çfof/k; k%

çLr r v/; ; u ea o. kLkRed l oçk.k fof/k dk ç; kx fd; k x; k çnÜkka ds l dyu grq
'kks'kdrkz us ; kçfPNd fof/k }kj k p; fur vxj k 'kgj ds m-ç- ek/; fed ckMz ds ek/; fed fo | ky; ka
ds dy 489 ea l s çf' kf{kr ¼248½ , oa vçf' kf{kr ¼241½ ¼i # "k o efgyk½ f' k{kda i j ¼yM l Z var-%Ø; k

oxl i) fr dks esuqy ea fyf[kr funz kka ds vuq ky u ds vk/kkj ij , d&, d çk; ksf; ij ij h{k.k dks ç' kfi r fd; kA bl çdkj l dfyr çnÜkka ds fo'y'sk.k , oa foopu grq çf' kf{kr , oa vçf' kf{kr ¼l a ¼ä i e#"k rFkk efgyk l eng ds vk/kkj ij ½ f' k{kdkka ds e/; eku] ekud fopyu dh x.kuk dh x; hA l engka ds e/; ij .kkeka dh l kfkZd tkp grq Vh&ij h{k.k dk ç; kx fd; k x; kA d{kk var%Ø; k l s l æf/kr çnÜkka dk foopu%

bl miLrj ij i e#"k , oa efgyk f' k{kdkka ds d{kk var%Ø; k l ækh çnÜkka dks , d l kfk l fefyr fd; k x; k vkj bl çdkj çf' kf{kr , oa vçf' kf{kr f' k{kdkka ¼l a ¼ä l eng½ ds ek/; e , oa çekf.kd fopyuka dks Kkr djds muds varj dh l kfkZdrk dh tkp ds fy, 'Vh' eW; ka dks Kkr fd; k x; kA bu l kf[; dh ekuka dks rkfydk 1- ea çnf' kr fd; k x; k gA

rkfydk& 1 çf' kf{kr , oa vçf' kf{kr f' k{kdkka ¼l a ¼ä l eng½ ds d{kk var%Ø; k ds çnÜkka ds e/; eku] çekf.kd fopyu , oa 'Vh' eW;

l eng	l a[; k	Lora-rk	va k	e/; eku	çekf.kd fopyu	'Vh' eW;
çf' kf{kr ¼l e#"k , oa efgyk½ f' k{kdk	248	247		334.89	52.08	
vçf' kf{kr ¼l e#"k , oa efgyk½ f' k{kdk	241	240		273.31	25.67	17.76*

* -01 fo'okl Lrj

bl d'V l s rkfydk 1 ea çnf' kr 'Vh' eW; 17-76 gA ; s eW; -01 fo'okl Lrj ij l kfkZd gA vr% bu pkjka l s l æf/kr çLnr v/; ; u dh ; g ij dYi uk fd pçf' kf{kr , oa vçf' kf{kr ¼l a ¼ä l eng½ f' k{kdkka dh d{kk var%Ø; k dh ek=k ea dkb l kfkZd varj ugha gB vLohkr gsrh gA bl ds vk/kkj ij ; g dgk tk l drk gS fd d{kk var%Ø; k dh d'V l s çf' kf{kr , oa vçf' kf{kr f' k{kdkka ¼l a ¼ä l eng½ ea okLrfod varj i k; k tkrk gA vFkkZ- f' k{kdk çf' k{k.k dk çHkko f' k{kdkka dh d{kk var%Ø; k dh ek=k ij i Mrk gS ft l l s f' k{kdk d{kkxr fØ; k; j l epr djuk l h[k yrs gA

nksuka l engka ds e/; ekuka dh rgyuk djus ij Kkr gkrk gS fd çf' kf{kr f' k{kdkka dk d{kk var%Ø; k dh ek=k dk vkj rkad 334-89 rFkk vçf' kf{kr f' k{kdkka dk d{kk var%Ø; k l ækh vkj rkad 273-31 gA vFkkZ- çf' kf{kr f' k{kdkka dh d{kk var%Ø; k dh ek=k rgyukRed : i l s cgr vf/kd gA bl d'V l s dgk tk l drk gS fd f' k{kdk çf' k{k.k] f' k{kdkka ea , s h ; kx; rkvka , oa dks kyka dk fodkl djrk gS ft l l s f' k{kdk d{kk ea ' kfcnd 0; ogkj ds }kj k mPpre Lrj dh var%Ø; k LFkfi r djus ea l {ke gks tkrk gA vr% çLnr ij .kke f' k{kdkka dh d{kk var%Ø; k dh ek=k ij çf' k{k.k ds çHkko dks çrfcfEcr djrs gA

çf' kf{kr , oa vçf' kf{kr i #k f' k{kdk dh d{kk var%Ø; k dh ek=k dk foopu%

bl l eng ds mi Lrj ij çf' kf{kr , oa vçf' kf{kr i #k f' k{kdk ds d{kk ds 'kkf'nd 0; ogkj l aal kh var%Ø; k ds çnÜkka ds e/; eku , oa çekf.kd fopyu dh x.kuk dh xbA rRi 'pkr nkuka l engka ds e/; ekuka ds varj dh l kfkZd tqp ds fy, 'Vh' eW; Kkr fd, x, A bl çdkj l s çkr l kf[; dh; eW; ka %ekukZ dks rkfydk 2 ea n' kZ; k x; k gA

rkfydk& 2 çf' kf{kr , oa vçf' kf{kr i #k f' k{kdk ds d{kk var%Ø; k ds çnÜkka ds e/; eku] çekf.kd fopyu , oa 'Vh' eW;

l eng	l a[; k	Lora=rk	va k	e/; eku	çekf.kd fopyu	'Vh' eW;
çf' kf{kr f' k{kdk	125	124		361.18	51.83	14.76*
vçf' kf{kr i #k f' k{kdk	121	120		277.24	28.67	

* -01 fo'okl Lrj

rkfydk&2 l s fofnr gkrk gsf d l eng dk çkr 'Vh' eW; 14-76 gS tks fd -01 fo'okl Lrj ij l kfkZd gA vr% 'kZk dh ; g ifj dYi uk fd çf' kf{kr , oa vçf' kf{kr i #k f' k{kdk dh d{kk f' k{kdk&Nk=½ var%Ø; k dh ek=k ea dkbZ l kfkZd varj ugha gA vLohçr gkrh gA vr% dgk tk l drk gS fd çf' kf{kr , oa vçf' kf{kr i #k f' k{kdk dh d{kk f' k{kdk&Nk= var%Ø; k dh ek=k ea okLrfod varj i k; k tkrk gA vFkkZ~f' k{kdk çf' k{k.k dk çHkko f' k{kdk dh var%Ø; k ij i Mf k gA

l eng ds e/; ekuka dks rnyukRed : i ea ns[ka rks i rk pyr k gS fd çf' kf{kr i #k f' k{kdk dk d{kk var%Ø; k vK rka d 361-18 rFkk vçf' kf{kr i #k f' k{kdk dk vK rka d 277-24 gA bl vk/kkj ij dgk tk l drk gS fd çf' kf{kr i #k f' k{kdk dh var%Ø; k dh ek=k vf/kd gA vFkkZ~çf' k{k.k ds }kjk d{kk ea f' k{kdk&Nk= ds e/; d gkus okyh var%Ø; k ea ek=kRed : i l s of) gkus yxrh gA çf' kf{kr , oa vçf' kf{kr efgyk f' k{kdk dh d{kk var%Ø; k dh ek=k dk foopu%

bl mi Lrj ij çf' kf{kr , oa vçf' kf{kr efgyk f' k{kdk ds d{kk ea 'kkf'nd 0; ogkj l aal kh var%Ø; k ds çnÜkka ds e/; eku , oa çekfed fopyu dh x.kuk dh xbA l eng ds e/; eku ds varj dh l kfkZdrk dh tqp ds fy, 'Vh' eW; Kkr fd, x, A bl çdkj dks tks l kf[; dh; eku çkr gg mudks rkfydk 3 ea çnf' kZ fd; k x; k gA

rkfydk& 3 çf' kf{kr , oa vçf' kf{kr efgyk f' k{kdk ds d{kk var%Ø; k ds çnÜkka ds e/; eku] çekf.kd fopyu , oa 'Vh' eW;

l eng	l a[; k	Lora=rk	va k	e/; eku	çekf.kd fopyu	'Vh' eW;
çf' kf{kr f' k{kdk	123	122		308.17	36.52	10.07*
vçf' kf{kr i #k f' k{kdk	120	119		269.36	21.65	

* -01 fo'okl Lrj

rkydk&3 ea çnf'kr Vh&eW; dk eku 10-07 gS tks fd -01 fo'okl Lrj ij l kFkd gA vr% bu pjka l s l çf/kr çLnr v/; ; u dh ; g ij dYi uk fd bçf'kf{kr , oa vçf'kf{kr efgyk f'k{kdk dh f'k{kdk&Nk= ½d{kk½ var%Ø; k dh ek=k ea dkbZ l kFkd varj ugha gAB vLohkr gkrh gA bl vk/kkj ij dgk tk l drk gS fd çf'kf{kr , oa vçf'kf{kr efgyk f'k{kdk d f'k{kdk&Nk= ½d{kk½ var%Ø; k dh ek=k ea okLrfod varj ik; k tkrk gA vFkk~- f'k{kdk çf'k{k.k} f'k{kdk dh d{kk var%Ø; k dh ek=k dks çHkkfor djrk gA

bu l eka ds e/; eku l s irk pyr gS fd çf'kf{kr efgyk f'k{kdk dh d{kk var%Ø; k l çLkh vks rkd 308-17 rFkk vçf'kf{kr f'k{kdkvka dk vks rkd 269-36 gS ftl ds vk/kkj ij dgk tk l drk gS fd çf'kf{kr f'k{kdkvka dh d{kk var%Ø; k dh ek=k rnyukRed : i l s mPp gA vFkk~- f'k{k.k çf'k{k.k f'k{kdkvka dh d{kk var%Ø; k dh ek=k ea of) djrk gA

i fj .kke , oa mi yfC/k; kj :

çf'kf{krka , oa vçf'kf{krka ds l a çä l eW] i#"k , oa efgyk l eW ds d{kk var%Ø; k l çLkh e/; ekuka ds varj dh l kFkd rkd dk ijh{k.k ^Vh* eW; ds vk/kkj ij djus l s Kkr gqk fd f'k{kdk&Nk= var%Ø; k dh çf"V l s l a çä l eW] i#"k , oa efgyk l eW ds çf'kf{krka , oa vçf'kf{krka ea l kFkd varj ik; k x; k D; kfd l a çä l eW ds ^Vh* eW; 17-76] i#"k l eW ds ^Vh* eW; 14-76 rFkk efgyk l eW ds ^Vh* eW; 10-07 gS tks fd 0-01 fo'okl Lrj ij l kFkd gA

l Hkh l eW ds e/; ekuka l s ; g funf'kr gsrk gS fd çf'kf{krka ds e/; eku vçf'kf{krka l s vf/kd gA bl l s ; g Li "V gsrk gS fd l Hkh çf'kf{krka ea d{kk var%Ø; k dh ek=k vf/kd i kbZ tkrh gA vFkk~- çf'kf{kr f'k{kdk dh dFkk var%Ø; k rnyukRed : i l s vf/kd gkus ds i hNs 'kk; n ; s dkj . k gks l drs gS fd ; s d{kk f'k{k.k ea Nk= vuçkr; ka dks vf/kd Lohdkj djrs gka rFkk Nk=ka ds okfNr 0; ogkj ka rFkk dk; ka dh ç'kd k djrs gka Nk=ka dks muds fopkj ka l eL; kvka rFkk uohu rF; ka dks d{kk ea çLnr djus dk vol j çnku djrs gA

fu"d"kk%

- çf'kf{kr l a çä l eW ds f'k{kdk dh vçf'kf{krka dh vi çkk d{kk var%Ø; k vf/kd i kbZ xbA
- çf'kf{kr i#"k , oa vçf'kf{kr i#"k l eWka ds f'k{kdk ea çf'kf{krka dh f'k{kdk&Nk= var%Ø; k ek=k mPp i kbZ xbA
- çf'kf{kr efgyk, j d{kk var%Ø; k ea vçf'kf{kr efgykvka dh rnyuk ea mPpLrjh; i kbZ xbA

l nHkZ xFk l iph

- Adams, G.S. & Tovqerson, T.L. (1968), *Measurment & Evaluation for secondary school Teachers*, Dvyden press, New York, 1968.
- Agarkar, S.C. & Gambhir, V.G. (1996); *Comprehensive programme to improve classroom interaction in Municipal schools of Solapur. In studies on class room processes and school effectiveness at primary stage. NCERT as cited in Indian Educational Abstract NCERT Issue 6, Jan. 1999, p. 38.*
- Bane, R.K. (1970); *Relationship between measures of experimental cognitive and affective teaching behavior and selected teacher characteristics, DAI, Vol. 31, p. 275.*
- Bhattacharya, G.C. (1998); *Teaching competence of girl student-teachers teaching science and levels of adjustment. School Science, Vol. XXXV (20), 69-78, as cited in Educational Abstract Vol.-1, Num-1, Jan., 2001, p. 84.*
- Buch, M.B. Ed. (1979); *Second survey of Research in Education, (72-78) SERD, Baroda.*
- Chau, H. (1994); *Students evaluations of teaching effectiveness confirmatory factor analysis of first order and higher order factor models, Ed. D. Univ. of Southern California, 1 pp. referred in Dissertation Abstracts International, vol. 55, No. 8 Feb. 1995.*
- Desai, Susheela (1992); *Interactive effect of sources of feedback and student teacher personality in student-teacher competence Ph.D.Edu. Karnataka Univ. referred in fifth survey of Educational Research NCERT 1988-92, p. 1444.*
- Frank W. and Sedoric S.L. (2001); *Teacher student interaction : A study of Successes with Students exhibiting attention deficit/hyperactivity disorder behaviours, Ph.D., Univ. of OK alabama, 2001, 129, 129 PP. as cited in Dissertation Abstracts Interactional, Vol. 62, No. 12, June 2002.*
- Garrett, H.E. (1991); *Statistics in Psychology and Education, Bombay : Allied Pacific (P) Ltd.*
- Hall, T.E. (1993); *Teacher-Student Interaction during Passage reading instruction : An observational Study Ph.D. Univ. of Oregon, 1993, 182 pp. referred in Dissertation Abstracts International, vol. 55, No. 3.*
- Hurt Antono T. (2001); *"Middle School Teachers attitudes towards grade relation, Ed.D. South Carolina State Univ. 2001, 105 pp. as Cited in Dissertation Abstracts International Vol. 63, No. 2 Aug. 2000. P. 44A."*
- Kennedy, E.J. (1993); *"Principal leadership functions and teacher effectivenessm Ed.D. Fordham Univ. 1993, 110 pp. referred in Dissertation Abstracts International, Vol. 54, No. 5, p. 1614A."*
- Pandey Maju and Maikhuri, Rama (1999); *A study of the attitude of effective and ineffective teachers teaching profession. Indian Journal of Psychometric and Education, vol 30(1) 43-46 as cited in Indian Educational abstracts vol. 1 No. 1 Jan. 2001, p. 89.*
- Reilly, J.C. (2002); *Differentiating the Concept of teacher efficiency for academic achievement of social relations, Ph.D. Fordham Univ. 127 pp as cited in Dissertation Abstracts International, Vol. 63, No. 02, Aug. 2002, p. 1240 A.*
- Verma, Pushpa and Chabra, S. (1996); *Application of pedagogical knowledge and skills acquired in teacher training to school teaching by primary school teachers of mathematics. In studies on classroom processes and school effectiveness at primary stage. National council of educational research and training as cited in Indian educational abstract issue 6, Jan. 1999 p. 49.*