

xq okj] 19 tkusokjh] 2007] l dkGh 11-00 b, l Vh lk; ĩr rgdċ

tkLr ekfgrhl kBh] l ĩkdZ dj%
tku Mpj 1/515 333&3464] dk; kŷ;
1/515/238&5051] ekckby
j.dutcher@mchsi.com

tkxfrd tŝrkĭ=dhP; k {ks=QGkr ok< gkĀu 100 n"ky{k gDVsjje/; s13 VDD; kauh ok< >kyh
lkfgY; knkp phuyk ekxs Vkdnu] Hkkjr ikpok l okĭr ekBk tkxfrd tŝ&ihd mRiknd cuyk

fnYyh] Hkkjr&1/4tkusokjh 19]20071/2 bĀ/juWkuy l f0gĭ QkY n , ĩDof>"ku vkĭD , Wkh
ck; kĀd , ĩyds'kĭl (ISAAA) rQĭ vkt ns; kr vkyŷ; k , dk okf'kĭd vgokykuĭ kj 2006
e/; s rĭĭ=dh i/nrhŷ 3krŷŷ; k fi dĭkĭjhrk cġohdk; Z ixfunĭkd Eg.ku "krdĭ; kauh rhz
xrhŷ tŝod"krhpk Lohdkj dŷk vkgŷ T; kĀGŷ [kk | kĕ] mi thfodk] rĀĕ; lknkFkZ o bĭku ; kps
vf/kd mRi ĕ ; s

tŝod "krh voyĕukP; k@LohdrhP; k nĭ Ū; k "krĭkP; k vkjĭkh] tŝod "krhP; k {ks=QGkus
lkFĕp 100 n"ky{k &gDVsjph fu"kk.kh ekMnu vkf.k ekxhy ikp o'kkĭrhy nĭ Ū; k dĕkĭkph
mPpre ok< feGou] 102 n"ky{k gDVsj lk; ĩr ikp.; kl kBh 12 n"ky{k gDVsj fdĕk 13
VDD; kph mph xkByh- 1996 rs 2006 P; k dkGkrhy ok< , dk vĭkĭrĭZ 60 lkV ok<hP; k
l ekuĭ lk vkgŷ dkskR; k gh "krdh rĀ="kkL=kpk mPpre xtĀrk nj gks - ; kP; k tkĭ/hyk] tŝod
"krh dj.kkĭ; k "krdĭ; kph l ĭ; k iFĕp 10 n"ky{kkl ekxs Vkdnu] 2005 e/; s 85 n"ky{k
"krdĭ; kĕ: u] 10-3 n"ky{k oj xŷh-

Dykb0g tĕl] ISAAA ps psvjeu vkf.k l ĭFkkĭd vkf.k vgokykps yŷkd]
0; kol kf; dhĭj.kkP; k nĭ Ū; k n"kdĭP; k dkGkr ; k xtĀrk lkrGhe/; s fujĀj ok<hph viŷk
djrk- 2015 lk; ĩr] ISAAA ph ĩkfo'; ok.kh vkgŷ dh 40 nŷkkrhy 20 n"ky{k "krdjh 200
n"ky{k gDVsjje/; s tŝod "krh djrh-

"ekxhy o'kĭZ tŝod "krh dj.kkĭs 90 VDD; kĀnu tkLr fdĕk 93 n"ky{k "krdjh fodkl "khy
nŷkkrhy ygku] l k/kughu "krdjh gkrŷ T; kauh R; kĀ; k nkfjnOkps "keu dj.; kl kBh
tŝrkĭ=dhyk ekQd ; ksxnku dj.; kph eatĭjh fnyh]" tĕl Eg.kkys "y{kkof/k ygku] l k/kughu
"krdjh iĕP; k n"kdkr l ĭkk0; rk; ĩr tŝod "krh iLrkokdMs oGrhy-"

okLrfod ikgrk] Āk vgokykus l kĭxrys dh tŝod "krh Lohdkj.; kph ok< fodkl "khy
txĕ/; s BGdĭk.ks 21 VDds vkgŷ rj vks] kŷd jk'Vĕe/; s Lohdrhph ok< 9 VDds >kyh-
tkxfrd tŝod "krhP; k {ks=QGkr vkrk fodkl "khy nŷkkrp 40 VDds okVĭ vkgŷ

jfolnj cjĭ] Hkkjrkr jkg.kkjh nku eykph , d fo/kok vkbZ vkf.k tŝod dkiW "krdjh fgps
Eg.k.ks vkgŷ dh fodkl "khy txkrhy "krdĭ; kauh tŝod "krhi kl nu feG.kkĭ; k ok<ho mRi knukph
vkf.k feGdrhph rl p lk; kĭj.kh; vkf.k oG okpfo.kkĭ; k ykĭkph xj t vkgŷ

BBeK=Ok tšod "krhrhy [kpkžh jDde ok; k tk.ks deh gksÅu ifj.kkeh mPpre mRi é feGw ykxys vkgs tšod "krh ek>h feGdr ok<ow] ek=Ok dVpkyk , d tLr pkxys thou nbžy v"kh višk vkgsšB R; k Eg.kkY; k-

I h Mh eb] ISAAA ps VLvH o Hkkjr kP; k , WkdYpjy I kbVLVI -fj dV ešV ckMkps psvjeu] cjkjP; k oDr0; kl nqtkjk nškr- BšHkkjrke/; s ch Vh dKWuP; k mRi ékr 2001&2002 e/; s 308 fd-xk- fylV@gDVsj ikl u 2005&2006 e/; s 450 fd-xk- fylV@gDVsj lk; ž ok< gks; ke/; s egYoiwž; kxnu vkgs rl p ch Vh dki l kP; k mRi ékrhy ok< gh Hkkjrkrnu gkskkú; k dki l kP; k fu; křhe/khy ok<he/; s ekBs; kxnu nskkjh Bjyh vkgs th 2005 e/khy 09 n"ky{k cYl ~o: u 2006 e/; s 4-7 cYl lk; ž i kpyh vkgs Hkkjrke/khy vkrki ; žph mPpre ukn.kh gks - "

gs ykHk@Qk; ns tšod "krhP; k tkxfrd ok<hps l ož foLrř l pkyu djhr vkgr- 2006 e/; ž nq Ű; k n"kdkr iR; d ekB0k egk}hi koj tšod "krh l kBh , d foLrř vkf.k fLFkj ik; k i jfo.kkjh vR; r egYokph fodkl dšns gkrh- vk.k[kh i qž xY; k o'kž tšgk 22 nškkauh tšod fidkph yko.kh dšyh gkrh] ršgk vk.k[kh 29 nškkauh tšod "krhyk [kk|ké@mitfodk mi ; kxkl kBh vkf.k lk; kžj.kkrhy f"kfFkyrd kBh ekú; rk fnY; kps vgoxykus l kšxrys

" 6-5 n"ky{k kP; k tkxfrd ykd l q; rhy v/; kžnu tLr ykd vkrk R; k nškar jkgrkr tšks tšod "krh dj.; kr ; sž T; k ; kxs 36 n"ky{k ykdkauk tšod "krheGs vkfFkd] l kekt d vkf.k lk; kžj.kh; ykHk feGrkr-" tšl Eg.kkys "tšod "krheGs , dñjhr ykHkflor gkr vl yž; k 51 nškkæž Lohdrhe/; s ok< gkr jkghy-"

ed; fodkl dšns

vešjd k%2006 e/khy , dwk , djkrhy i pM ok<hP; k tkMhyk 4-8 n"ky{k gDVsjP; k ok<hpk okVk mpyr] l a žr jk'Vke/; s tkxfrd lkrGhoj vkf.k mYkj vešjdr fujarj ok<hps l pkyu pkyr vkgs l kš kchu vkf.k tšod dki l kP; k , dwk 11-5 n"ky{k gDVsjP; k 22 VDds ok<hcjksj p ctf>y ; k ok<hps urRo djhr vkgs ekxkgu 2006 e/; s i fkep T; kps 0; kol kf; dhdj.k >kys

vkf" k; k% vkf" k; ke/; s Hkkjr gk , d mn; kšed[k usk vkgs 192 VDds fdok 2-5 n"ky{k gDVsj o: u 3-8 n"ky{k gDVsj lk; žP; k VDdokjhrhy ok<hpk] i fkep phuyk ekxs Vkdnu] nku tkxk oxGu tkxfrd ikrGhoj tšod "krhpk i kpok l okř ekBk mRi knđ nšk Eg.kfo. ; kdjhrk nškkus vR; r i Hkkohi .ks fg"ks Bøyk vkgs

vQhd k% ekxhy o'kž nf{k.k vQhdus vQhdu egk}hi kyk i qš us; kl kBh tšod "krh {k=QGkr frlkVhus ok< d: u urRo dj.; kl kBh BGd iz kl dšys vkgr- y{kkar ?ks; kl kj [kh ckc Eg.ktž chVh i kš Ű; k Tokjh] i keq; kus [kk|ké Eg.knu mi ; kškr ; skkjh] vkf.k chVh fi oGh Tokjh ftpk mi ; kš tukojkP; k [kk.; kl kBh djrkr] R; k i kl wup R; kauk Ok; nk >kyk-

; jkš % bž ve/khy nškar l qnk fujarj ok< gkr vkgs tšks Lykokfd; kus tšod "krh dj.kkú; k brj 25 nškkæ/knu l gkos LFkku feGfoys 2006e/; s 60]000 gDVsj tfeuhr yko.kh d: u] Lisu

vtuu gh egk}hi ke/; s vxz.Fkkuh vkgġ ; |fi] brj i kp bż w n's'kkuh 2005 e/; s 1500 gDVsvj
o: u rs2006 e/; s 8500 gDVsvj lk; žP; k i kp lkv ok<hpok vgoxy fnyk-

Hkfo'; dkGkrhy ok<hps ijd

ISAAA us0; ol kf; dhjdj .kkP; k nq Ū; k n"kdkr i qdG"kk HkkSkfyyd {ks=karhy BGd l dkhc;js; j
gh ok< l rr gks kkj vl Y; kps Hkfo'; orToys vkgS

“ QDr tšod rkanGkP; k 0; ol kf; dhjdj .kkeġs nš[khy tšod "krhpk xtárk nj l ukuh
erki fydmS tkÁu 20 n"ky{k "krdŪ; kP; k oj tkÁu rs 80 n"ky{k "krdŪ; kÁk; ž i kpsy-
txkrhy 250 n"ky{k "krdŪ; kÁ dth] T; kP; krhy 90 VDds vkf" k; ke/; s vkgS] T; kP; ki dth cgrnd
l k/kughu "krdjh vkgS R; kP; k xtárk njkP; k rirh; kÁk Hkkxkoj gs vk/kkfjr vkgS dhV/djkskh
tšod rkanG mRié ok<fo.; kl kBh 2015 lk; žP; k xfjch v/; kZs deh dj.; kl kBh
vl yš; k ; w u feyſu; eP; k MšgyieſV /; s koj BGd i Hkko i kMw "kdyk vl rk vkf.k
fŷgvſſeu , ; žr xkſMu rkanGkeġs i ksk. kke/; s l dkkj .kk >kyh vl rh-" tſl Eg. kkyS

tšod bdkus nš[khy ok<hps dkj .k gksÁ "kdrS tšod "krhpk mi ; ks n{krk ok<fo.; kl kBh vkf.k
oſfyid Átph ekx.kh i wkZ dj.; kl kBh] rl p l y; gykst&vk/kkfjr bFksukly Átkz "krhe/kau
cktkjkar vk.k.; kl kBh tšod fodYi kpk "kksk ?ks ; kl kBh gksÁ "kdrS tšod fi ds [kk] ké vkf.k
bdku ; kph ok<rh ekx.kh i wkZ dj.; kr egRokph Hkfedk i j i kMw "kdrkr- iġ; nqdkGjkskh
oſ" kVŌkl g] dkj MŌk gokekukr Hkjho i ſkl ?ks ; kP; k l dth eP; r gLrkus m/kGr tšod fi ds
vxxkeh i kp o'kkár cktkjar ; s ; kph "kD; rk vkgS

tšod "krh voyæukP; k i fgY; k n"kdkps urRo veſj dſus dſys vl ys rjh] "kD; vkgS dh nq js
n"kd vkf" k; k vkf.k R; kP; k fodkl "khy nš'kkrhy ok< nk[kosy] tſs phu vkf.k fŷfyihŪl
rl p uohu tšod nš'k tſs i kfdLrku vkf.k fŷg, ruke gks - vŌhdæ/; } brj nš'kkr T; kæ/; s
bftſr] cjdhuK Qkl ks vkf.k dth; k ; kpk l ekoſ'k vkgS o tſks i fj .kkedkj d "krdh pkp.; k
vk/khp ?krY; k xš; k vkgS v"kk nš'kæ/; s tšod "krh l q dj.; kl kBh nſ{k.k vŌhdps vuſko
fuf"prp urRo djrhy- varr% tšod "krh xtáræ/; s gkr vl ysyh fujarj ok< bż w e/khy
ok<R; k ekŪ; npk dy ekuyk tkbžy- QkŪl] , d vxz.kh l nL; jkT;] 2006 e/; s chVh TokjHP; k
R; kP; k {ks=QGkr vud i Vhuh ok< d: u 5000 gDVsvj lk; ž i kpfokkjk nš'k Eg.kau , d
egŷoi wkZ mnkj .k vkgS

vkEgh tšod "krh xtárP; k , dk mRl pſrki wkZ dkGkr vkgS- tſl Eg. kkyS vkEgh nq Ū; k
n"kd kP; k 0; ol kf; dhjdj .kkP; k Hkfo'; kdMs i kfgys vl rka i qdG l s ?kvd tšod "krhP; k
egROI wkZ ok<hl kBh vud dkj .ks vkſY; k i nſP; k i æk. kP; k i ġs tk.; kl l q fttr vkgS- ; k
n"kdkrp tšod "krh egROI wkZ ; ks nku nš'au txkrhy 1-3 n"ky{k xfjckoj i Hkko i kMw-

jkſſŌsyj QkmM'sku] ; w l e/khy i jki dkjh l ſFkk th xhu fjŷgkſy; wku ukſP; k v"kk l ſFks'kh
tŷyſh vkgS ftus 1960 e/; s y{kkoſ/k tho okpfoys vkf.k vk; cjdktk] Li ſŪ" k cſſ'karhy , d
th Li ſue/khy TokjHP; k mRi ekl kBh eŷ; {ks= ekuyh tkr} ; k vgoxykps l g&l Lrkkrk vkgS-
tkLr ekfgrhl kBh fdok vkf/kdkfjd l eh[kdjhrk] www.isaaa.org oj ykk dkj-

ISAAA gs u[; kl kBh ul ysys l xBu vkgs T; kP; k dntps var jkZVh; tkGs v"kk Lo: lkkrcuys
vkgs ts nkfjnD vkf.k Hkdpstb"krh rka=dhP; k okijp; k KkukP; k nok.k&?kok.kkus fueiyu
djrs l lFkps l lFkkid o psjeu tEl DykbDg xsyh 25 o'k3 vkf"k; kj yllvu vesjdk o
vQhdryh n's'kkar jkfgsys vkgr fdok dk; l dys vkgs R; kah vki Y; k Jekps l eiZk df'k
vud'zku o fodkl k djhrk dys vl u tixfrd [kk|ké l j{k.k o t'od "krh gk R; kpk eq;
eqk vkgs

