Ik’pkR; rdZ’kkL=kps Lo:i

ch- ,- Hkkx & nksu

pkSFks l=

rdZ’kkL= vkdkjkRed fdaok :irked ‘kkL= vkgs dk;\

fopkjkph nksu vaxs vlrkr- 1- fopkjkpk vkdkj fdaok :i ¼From of thought½ 2- fopkjkpk fo”k; ¼Matter of thought½- g~;k nksu vaxkiSdh rdZ’kkL=kr dks.kR;k vaxkpk fopkj dj.;kr ;srks vlk iz’u mn~Hkorks- ;k iz’ukps mRrj ns.;kiwohZ fopkjkP;k ;k nksu vaxkps Lo:i dk; vkgs o R;kapk ikjLifjd laca/k dlk vkgs gs y{kkr ?ks.ks vko’;d vkgs-

tls izR;sd HkkSfrd inkFkkZyk dks.krk uk dks.krk vkdkj vlrks- rlsp izR;sd HkkSfrd inkFkZ fof’k”V nzO;kps cuysys vlrkr- mnkgj.kkFkZ Vscy ykdMkpk fdaok r’kkp izdkjP;k dks.kR;k rjh nzO;kiklwu r;kj dsysyk vlrks- R;kpk vkdkj xksy fdaok pkSduh fdaok brj izdkjpj vlrks- vFkkZr] loZ HkkSfrd inkFkkZauk nzO; o vkdkj nksUghfg vlrkr- nzO;kf’kok; vkdkj vkf.k vkdkjkf’kok; nzO; izR;{kkr vfLrRokr vlw ‘kdr ukgh- ,dkp nzO;kps vusd vkdkj vlw ‘kdrkr- tls] lksU;kph uk.kh] nkfx.ks bR;knh- rlsp ,dp vkdkjkph vusd nzO; vlw ‘kdrkr- mnkgj.kkFkZ] ,dkp vkdkjkpk Vscy] yk[kMkpk] yks[kaMkpk fdaok IykfLVdpk vlw ‘kdrks-

T;kizek.ks HkkSfrd oLrwauk vkdkj vf.k nzO; vlrkr R;kpizek.ks fopkjkauk lq/nk vkdkj vkf.k nzO; vlrkr- fopkjkP;k nzO;kpk vkf.k vkdkjkpk fopkj vki.k d:-

fopkjkpk vkdkj Eg.kts fopkjkps :i vFkok i/nr gks; rj fopkjkps nzO; Eg.kts fopkjkpk fo”k; gks;- fopkj EgVys dh rks dks.kR;k rjh oLrwcn~nyp dsysyk vlsy- T;k oLrwcn~ny vki.k fopkj djrks fryk ^fopkjkpk fo”k;\* ¼Matter of thought½ vls Eg.krkr- rj dks.kR;kgh fo”k;kcn~ny fopkj djhr vlrkauk vki.k T;k jhrhpk fdaok i/nrhpk voyac djrks R;k i/nrhyk ^fopkjkpk vkdkj fdaok :i\* ¼Form of thought½ vls Eg.krkr-

fopkjkP;k nksUgh vaxkpk ojhyizek.ks fopkj dsY;kuarj rdZ’kkL=kpk fo”k; fopkjkpk vkdkj vkgs dh fo”k; gs lkax.ks dfB.k ukgh- rdZ’kkL= ‘kq/n fopkjkapk fu;ekps v/;;u djrs- ‘kq/n fopkjkps fu;e Eg.ktsp ‘kq/n fopkj dj.;kP;k i/nrh fdaok :isa gks;- rsOgka rdZ’kkL=kpk laca/k :ik’kh fdaok vkdkjk’kh vkgs gs Li”V gksrs- g~;k n`f”Vus ^rdZ’kkL= vkdkjkRe ‘kkL=\* ¼A Formal Science½ vkgs gs Li”V gksrs-

fopjkpk vkdkj fopkjkP;k fo”k;kyk lksMwu jkgw ‘kdr ukgh- fopkjkP;k fo”k;kP;k enrhf’kok; fopkjkP;k vkdkjkpk vH;kl dj.ks ‘kD; gksr ukgh- Eg.kwu rdZ’kkL= izkFkfed :ikr vkdkjkRe ‘kkL= vlys rjh xkS.k fdaok n`¸;e :ikus Eg.kwu dk gksbZuk fopkjkph n[ky R;kl ?;koh ykxrs Eg.kwu rs ^lkis{k :irked ‘kkL=\* ¼Relatively Formal Science½ vkgs-

rdZ’kkL= vkn’khZ ‘kkL= vkgs

‘kkL=s nksu izdkjph vlrkr- 1- o.kZukRed ‘kkL=sa ¼Positive Science½ vkf.k 2- vkn’khZ ‘kkL=s ¼Narmative Science½- o.kZukRed ‘kkL=s ckg~; txkr fdaok eukr ?kM.kk&;k ?kVukaps v/;;u djhr vlrs- mnkgj.kkFkZ] ekul’kkL=] ‘kjhjfoKku] inkFkZfoKku gh o.kZukRed ‘kkL=s vkgsr- ;k myV rdZ’kkL=] uhfr’kkL= vkf.k lkSan;Z’kkL= gh ‘kkL=s vkn’khZ ‘kkL=s vkgsr- dkj.k gh ‘kkL=s vpkj vkfuqdzes fopkj] vkf.k Hkkouk ;kaps vkn’kZ fuf’pr djrkr- g~;k vkn’kkZaP;k enrhus fopkj] vkpkj vkf.k Hkkouk g~;kaph pkp.kh d:u R;kaph ‘kq/n’kq/nrk o b”Vkfu”Vrk Bjfork ;srs-

Okjhy foospuko:u gs Li’V gksrs dh o.kZukRed ‘kkL=s ?kVuk d’kk ?kMrkr gs Li”V djrkr rj vkn’khZ ‘kkL=s ?kVuk d’;k ?kMko;kl ikfgts gs vkn’kkZaP;k enrhus nk[kforkr- nql&;k ‘kCnkr o.kZukRed ‘kkL=s ^dk; vkgs\* ¼What Is½ ;kpk vH;kl djrs rj vkn’khZ ‘kkL=s ^dk; vlko;kl ikfgts\* ¼What Ought to be½ ;kpk vH;kl djrs- o.kZukRde ‘kkL=kps fu;e ?kVuk d’kk ?kMrkr ;k laca/khph lkekU; fo/kkus vlY;keqGs rs eksMys tkÅ ‘kdr ukgh- ijarq vkn’khZ ‘kkL=kps fu;e ekuofufeZr ,[kk|k fu;ekalkj[ks vlY;keqGs rs ifjorZuh; vlrkr-

rdZ’kkL=kr fopkj dlk vlko;kl ifgts g~;k iz’ukpk Ågkiksg djrs- nSuafnu thoukr lkekU; ekulkps loZp fopkj funksZ”k vlrkr vls ukgh- rsaOgk dks.kR;k fu;ekapk vkJ; ?ksÅu fopkj dsyk vlrkauk rks ‘kq/n fdaok funksZ”k fopkj Bjsy gs rdZ’kkL= Li”V d:u lkaxrs- ‘kq/n fdaok funksZ”k fopkjkaP;k fu;ekP;k :ikus R;kps vkn’kZ ekaM.;kps dk;Z rdZ’kkL= djhrs- vlY;keqGs rdZ’kkL= ,d vkn’khZ ‘kkL= vkgs vls Eg.k.ksp mfpr gksbZy-

rdZ’kkL= ‘kkL=kps ‘kkL= vkgs-

rdZ’kkL= funksZ”k fopkjkps fu;e ns.kkjs ‘kkL= vkgs gs vki.k ikfgys- R;kyk ^’kkL=k.kka ‘kkL=e~a\* ¼Scientia Scientiarum½ fdaok ^loZ’kkL=kaps ‘kkL=\* ¼The Science of all Sciences½ vlsfg Eg.krkr- izR;sd ‘kkL=K vkiviY;k fo”k;kPkk] funksZ”k fopkj i/nrhP;k lkgk;kus fopkj d:u ‘kkL=h; fl/nkar izLFkkfir djrks- v’kk izdkjs izR;sd ‘kkL=kr funksZ”k fopkj i/nrhpk tjh mi;ksx gksr vlyk rjh dks.krh fopkji/nrh funksZ”k vkf.k dks.krh lnks”k ;kpk fopkj izR;sd ‘kkL=kr dsyk tkr ukgh- ek= rdZ’kkL= funksZ”k fopkjkaps fu;eu dj.kkjs ‘kkL= vlY;keqGs ;kph tckcnkjh rdZ’kkL=koj ;srs- rdZ’kkL=kus fuf’pr dsysyh funksZ”k fopkji/nrh loZ ‘kkL=h; v/;;ukr okijyh tkrs- g~;k n`f”Vus loZ ‘kkL=s rdZ’kkL=koj voyacwu vlrkr- gh xks”V y{kkr ?ksÅu rdZ’kkL=l ^’kkL=k.kka ‘kkL=e~a\* ¼Scientia Scientiarum½ fdaok ^loZ’kkL=kaps ‘kkL=\* ¼The Science of all Sciences½ vls Eg.krkr-

rdZ’kkL= ^‘kkL=\* vkgs vFkok ^dyk\*\

rdZ’kkL= ^’kkL=\* vkgs vFkok ^dyk\* vFkok nksUgh ;k iz’uklaca/kh cjkp erHksn vlY;kps fnlwu ;srks- vkyfMªpP;k ers rdZ’kkL= dsoG ^fopkjkph dyk\* vkgs vls er izfrikfnys vkgs- eWUlsy vkf.k FkkWel g~;kaP;k ers rdZ’kkL=kl dyk Eg.k.ks ;ksX; ukgh- R;kyk ‘kkL=p Eg.kk;yk ikfgts vls R;kaps er vkgs- OgWVys vkf.k fey ;kauh ojhy nksUgha erkapk leUo; d:u rdZ’kkL=kyk ^’kkL= vkf.k dyk\* nksUgh Eg.kkos vls vkiys er O;Dr dsys vkgs-

ojhy leL;sP;k lek/kkukiwohZ ‘kkL= vkf.k dyk ;kaps Lo:i dk; vlrs gs ikgk.ks vfuok;Z vkgs- ‘kkL= Eg.kts fulxkZP;k dks.kRlkfg ,dk {ks=k’kh lacaf/kr lqlac/n] i/nrf’kj] fl/nkar:i Kku gks;- dyk gk ‘kCn laLd`rjrhy ^dYk\* /kkrwiklwu r;kj >kysyk vkgs- T;kpk vFkZ ^dj.ks\* vlk vkgs- vFkkZr dyspk laca/k d`rh’kh Eg.ktsp dkgh rjh dj.;k’kh vkgs- laxhrdyk] fp=dyk] LFkkiR;dyk bR;kfn dyk gksr- laxhrdyk mRre dls xkos ;kps f’k{k.k nsrs- mRre fp=s d’kh dk<kohr gs fp=dyk f’kdfors-

ojhy foospuko:u ‘kkL= Kku nsrs rj dyk d`fr djko;kl f’kdfors- ‘kkL=kP;k rqyusr dyk O;kogkfjd vkgs- rdZ’kkL= funksZ”k fopkjkps fu;e ns.;kps dk;Z djhr vlY;keqGs rdZ’kkL= fuf’pri.ks ‘kkL= vkgs gs ekU; djko;kl ikfgts- funksZ”k fopkjkaps O;ogkjkr ikyu d:u vkiyk fopkj tkfLrr tkLr ‘kq/n tjh vki.kkl djrk ;sr vlyk] rjh ‘kq/n fopkj dlk djkok g~;kps f’k{k.k ns.;kph tckcnkjh rdZ’kkL=koj ukgh- Eg.kwu rdZ’kkL=kl ^fopkjkph dyk\* Eg.krk ;sr ukgh- ‘kkL= ;k ukR;kus funksZ”k fopkjkps fu;e:i Kku ns.ks ,o<kp rdZ’kkL=kpk fo”k; vlY;keqGs rdZ’kkL= gs ‘kkL=p vkgs] dyk uOgs-