

APPENDIX-1

IX16XF:+ EJG4 ;F{ZFq8= IJIGJI;"8L4 ZFHSM8
WMP!Z SMD;"GF IJnFYL"VMG]\ VF\S0FXF:+ IJQI
5|tl[G]\ DGMJ,6

DFU"NX"S
OMP HGSEF. DSJF6F
V[P
OLG VMO V[HI]S[XG I05F8"D[g8

5|FIMHS
DC[TF ~5,

SPh.D.

Scholar at

;F{ZFq8= IJIGJI;"8L4 ZFHSM8f

Saurashtra Univeristy

SM.Sc., Ph.D.f

RAJKOT)

TFZLB o

VFNZ6LI ;Z4

;IJGI VF5G[H6FJJFG]\ S[4 C]\ ;F{ZFq8=
IJIGJI;"8L4 ZFHSM8GF IX16XF:+ EJGDF\ Ph.D.GM
VeIF; SZL ZC]\ K[P H[DF\ DFZ[VeIF;GF EFU~5[
;\XMWG SZJFG]\ K[P DFZF ;\XMWGGM IJQI
WMP!Z SMD;"GF IJnFYL"VMG]\ VF\S0FXF:+ IJQI
5|tl[G]\ DGMJ,6đđ K[P

;\XMWGG[VG]~5 VF\S0FXF:+ IJQI 5|tl[GF
IJnFYL"VMGF J,6 DF5JF V[S J,6 DF5N\0GL ZRGF
SZJFGL K[P VF5zL VF IJQIGF IJkFG KM TM VF J,6
DF5N\0DF\ H~ZL O[ZOFZM SZL VF5JF GD| IJG\TL
K[P VF5GF ;]RGM DFZF ;\XMWG SFI"DF\ B}AH
p5IMUL IGJ0X[P

VF5GF .<D[., Id 5Z DFZF DF5N\0GF IJWFGM
DMS,FJ]\ K]\P
;CSFZGL V5[1F ;C4

VF5GL IJ`JF;]

sDC[TF ~5, V[Pf

APPENDIX-2

J,6 DF5N\0

WMP !Z sSMD;"fGF IJnFYL"VMG]\ VF\S0FXF:+ IJQI

5]tI[G]

DGMJ,6 DF5JF DF8[P

S| D	IJWFG	;\5}6" ;CDT	;CDT	T8:Y	V;CDT	;\5}6" V;CDT
!	VF\S0FXF:+ DFZM I5|I IJQI K[P					
Z	VF\S0FXF:+GF NFB,F U6JF DG[AC] UD[K[
#	VF\S0FXF:+GF ;]+M IFN ZFBJF V3ZF K[P					
\$	VF\S0FXF:+ H[JM IJQI VeIF;S|DDF\ CMJM HM.V[P					
5	VF\S0FXF:+GM I5IZI0 DG[UD[K[P					
^	VF\S0FXF:+GL IYIZL AC] V3ZL ,FU[K[P					
&	VF\S0FXF:+GM VeIF; SZJM V[;DIGM jII K[P					
*	VF\S0FXF:+G)\ U'CSFI" SZJ)\ DG[AC] UD[K[P					
(	VF\S0FXF:+GF NFB,F ;DHFTF GYL					
!)	VF\S0FXF:+GL A]S T{IFZ SZJL DG[UDTL GYLP					
!!	VF\S0FXF:+GF NFB,FGL U6TZL SZJL					

	;Z/ K[P					
!Z	VF\S0FXF:+ Z;5|N IJQI K[P					
!#	VF\S0FXF:+GF ;DFRFZ Z; 50[T[JF CMI K[P					
!\$	TS D/[S[TZT C]\ VF\S0FXF:+GF NFB,F U6JF A[;L HFp K]\P					
!5	XF/FGF ;DI5+SDF\ VF\S0FXF:+ H[JM IJQI G CMJM HM.V[P					
!^	VF\S0FXF:+GF IX1S DFZF ;F{YL I5|I K[P					
!&	VF\S0FXF:+ IJQIG]\ .TZ JF\RG DG[UD[K[P					
!*	EFIJ _JG DF8[VF IJQI AC] VUtIGM GYLP					
!(	VF\S0FXF:+GL ;7FVM IFN ZFBJL V3ZL CMI K[P					
Z)	VF\S0FXF:+GF NFB,FVMGL U6TZL AC] ,F\AL CMI K[P					
Z!	JFI6HI IJnFXFBFDF\ VFU/ E6JF VF\S0FXF:+ AC] VUtIGM IJQI K[P					
ZZ	VF\S0FXF:+GF NFB,F U6JFYL U6TZLG]\ SF{XyI h05L AG[K[P					
Z#	UD[T[8,L DC[GT SZM VF\S0FXF:+DF\ ;FZF DFS"; VFJTF GYLP					
Z\$	VF\S0FXF:+ DF+ CMIXIFZ IJnFYL"G[H VFJ0[P					
Z5	VF\S0FXF:+GL IYIZL S\8F/FHGS CMI K[P					
Z^	VF\S0FXF:+YL DFCLTLG]\ VY"38G ;Z/ ZLT[Y. XS[K[P					
Z&	VF\S0FXF:+GF RF8"; AGFJJF DG[AC] UD[K[P					
Z*	VF\S0FXF:+GF VF,[B V3ZF ,FU[K[P					
Z(	VF\S0FXF:+ H[JM IJQI GFG56YL E6FJJM HM.V[P					
#)	VF\S0FXF:+GF SMq8S					

	DG[;DHFTF GYLP					
#!	XF/FDF\ O|L I5IZIO NZIIDFG VF\S0FXF:+GF NFB,F U6JF DG[UD[K[P					
#Z	XF/FDF\ VF\S0FXF:+G]\ IJQI D\0/ CMJ]\ HM.V[
##	VF\S0FXF:+DF\ VFJTF ;\EFJGF H[JF V[SDM G CMJF HM.V[P					
#\$	VF\S0FXF:+LVMGF _JG RIZ+M DG[S\8F/M VF5[K[P					
#5	VF\S0FXF:+GF NFB,F U6JFY L DFGI;S YFS ,FU[K[P					
#^	VF\S0FXF:+ XF/FDF\ D]bi GIC J{S|y5S IJQI CMJM HM.V[P					
#&	DG[VF\S0FXF:+ IJQIG[,UTL X{1I6S 5|J'ITVMDF\ Z; K[P					
#*	VF\S0FXF:+DF\ VFJTF 5FIZEFIQS XaN M ;DHFTF GYLP					
#(	XF/FGF ;DI5+SDF\ VF\S0FXF:+GF JW] I5IZIOM CMJF HM.V[
\$(	VF\S0FXF:+G]\ U'CSFI" SZJ]\ DG[UD[K[P					
\$!	VF\S0FXF:+ IJQIDF\ VeIF;S|D ,FVAM CMI K[P					
\$Z	VF\S0FXF:+DF\ VFJTF ;)+M IFN ZC[TF GYLP					
\$#	VF\S0FXF:+ XLBJF DF8[;TT 5|[S8L; SZTF ZC[J]\ 50[K[P					
\$\$	JFZJFZ NFB,F U6JF KTF\ 5ZL1F ;DI[VF\S0FXF:+GF NFB,FGL U6TZL E},F. HFI K[P					
\$5	VF\S0FXF:+V[DC[GT DF\UL ,[T[J M IJQI K[P					
\$^	VFHGF JFI6IHIS I]UDF\ VF\S0FXF:+ VUtIGM IJQI U6FI K[P					

\$&	VF IJQI Vgl IJQIMG]\n DCtJ 38F0[K[P					
\$*	VF IJQIYL ;FZF DFS";\n VFJ[K[P					
\$(	VF IJQIYL UFI6ITS\n N=lq8IA\N] IJS;[K[P					
5)	V\F\$0FXF:+ IGZ; IJQI\n K[P					
5!	VF\S0FXF:+GF VeIF;YL\n IJnFYL"GM AF{I+S\n IJSF; YFI K[P					
5Z	VF\S0FXF:+GF VeIF;YL\n IJnFYL"DF\ U6TZL h05L\n SZL XSJFG]\ SF{XyI\n IJS;[K[P					
5#	IX1FS ;F~ XLBJ[TM\n VF\S0FXF:+ ;Z/ IJQI\n AGL HFIP					
5\$	C]\ TM VF\S0FXF:+\n XLBJFGL ;,FC SM.G[G\n VF5)\n					
55	VF\S0FXF:+GF VeIF;YL\n Vgl IJQIM VFJ0[
5^	VF\S0FXF:+GM VeIF;\n ;)+MGF U],FD AGFJL\n N[K[T[YL DG[VI5|I K[P					
5&	VF\S0FXF:+GF ;)+MGF\n RF8" AGFJJF DG[AC]\n UD[K[P					
5*	VF\S0FXF:+GF VeIF;YL\n GJ]\ 7FG 5|F%T YFI\n K[P					
5(	VF\S0FXF:+ XLBJFYL\n DFICTLG]\ IJ`,[Q6\n SZTF\ VFJ0[K[P					
^)	VF\S0FXF:+ XLBJFYL\n Vgl IJQIM VFJ0[K[P					
^!	VF\S0FXF:+ XLBJFYL\n EIJqI pH/] AG[K[
^Z	VF\S0FXF:+ VeIF;DF\n UMB65ÂLG[pT[HG D/[K[P					
^#	VF\S0FXF:+GF IX1SGL\n 5†IT ;Z/ CMJL HM.V[
^\$	VF\S0FXF:+GF\n NFB,FGL U6TZLDF\n 36L AWL ZLTM\n CMJFYL U]\RJ0M YFI\n K[P					

^5	VF\S0FXF:+LVMGF GFD IFN ZC[TF GYLP					
^^	VF\S0FXF:+GF IX1S DFZF I5|I IX1S K[P					
^&	VF\S0FXF:+ XLBJF DF8[ZDTUDTGF ;DI 5Z SF5 D]SJM 50[K[P					

APPENDIX-5

WMP !Z sSMD;"fGF IJnFYL"VMG]\ VF\S0FXF:+ IJQI 5|tl[G]\ DGMJ,6
DFU"NX"S 5|IMHS
OMP HGSEF. DSJF6F DC[TF ~5, V[P
sM.Sc., Ph.D.f sM.Com.,M.ED.f
IX16XF:+ EJG4 ;F{ZFq8= I]IGJI;"8L4 ZFHSM8P
IJnFYL"G]\ GFD o

XF/FG]\ GFD
o _____
ZC[6F\6 IJ:TFZ o _____ HFTLITFsKMSZMíKMSZLf
o _____

I5|I IJnFYL" ID+4

5|:T]T DGMJ,6 DF5N\0GM pN[X VF\S0FXF:+ IJQI 5|tl[G]\
DGMJ,6 HF6JF DF8[GM K[P VF SM. S;M8L GYL T[DH ;FRF BM8F
HJFAM CMI T[J]\ 56 GYLP VF DGMJ,6 DF5N\0DF\ VF\S0FXF:+
IJQIG[,UTF S[8,FS IJWFGM VF%IF K[P T[GF VG];\WFG[TDFZ[
DF+ TDFZM DT H6FJJFGM K[P

VF DGMJ,6 DF5N\0DF\ S], 5(IJWFGM K[P NZ[S IJWFGDF\
TDFZF DTG]\ IJX[Q DCtJ K[P DT VF5TF 5C[,F 5|tl[S IJSy5 wIFGYL
JF\RM VG[;FD[VF5[,F IJSy5MDF\YL H[TDG[z[q9 ,FUTM CMI T[
IJSy5 5;\N SZL T[GF 5Z BZF s√fGL IGXFGL SZMP GLR[V[S
pNFCZ6 VF%I]\ K[T[5|DF6[HJFA VF5XMP
pNFCZ6 o

S|D	IJWFG	;\5}6" ;CD T	;\5}6" ;CD T	T8:Y	V;\5}6" ;CD T	;\5}6" ;CD T
!	VF\S0FXF:+ DFZM I5|I IJQI K[P		✓			

VF IJWFGGF 5|t|TZDF\ V[S IJnFYL" ;D\T CMJFYL i;\5}6" ;CD T
;FD[s✓fGL IGXFGL SZ[K[P

TDM VCš H[DFICTL VF5XM T[G[BFGUL ZFBJFDF\ VFJX[P
T[GM ;\5}6" ;CD T ;\NE"DF\ H p5IMU SZJFDF\ VFJX[P T[YL IJGF
;\SMR[p5ZGF pNFCZ6 D]HA NZ[S IJWFG DF8[SF/_5}J"S TDFZM
DT VF5XMP ;DIDIF"NF GYL4 KTF\ TD[TDFZF HJFAM h05YL VG[
SF/_5}J"S VF5XMP

<DC[TF ~5, V[P

APPENDIX-3

5}J" 5|FYIDS :J~5GM J,6 DF5N\0
**WMP !Z sSMD;"fGF IJnFYL"VMG)\ VF\S0FXF:+ IJQI
5|t|[G]\
DGMJ,6 DF5JF DF8[P**

S|D	IJWFG	;\5}6" ;CD T	;\5}6" ;CD T	T8:Y	V;\5}6" ;CD T	;\5}6" ;CD T
!	VF\S0FXF:+ DFZM I5|I IJQI K[P					
Z	VF\S0FXF:+GF NFB,F U6JF DG[AC] UD[K[
#	XF/FDF\ VF\S0FXF:+G)\ IJQID\0/ CMJ)\ HM.V[P					
\$	VF\S0FXF:+ H[JM IJQI VeIF;S|DDF\ CMJM HM.V[P					
5	VF\S0FXF:+GM I5IZI0 DG[UD[K[P					
^	VF\S0FXF:+GL IYIZL AC] V3ZL ,FU[K[P					
&	VF\S0FXF:+GM VeIF; SZJM V[;DIGM j|I K[P					
*	XF/FGF ;DI5+SDF\ VF\S0FXF:+ H[JM					

	IJQI H G CMJM HM.V[
(	DG[VF\S0FXF:+G]\ U'CSFI" SZJ]\ UD[K[P					
!)	VF\S0FXF:+ 5|FYIDS WMZ6YL H XLBJJ]\ HM.V[P					
!!	VF\S0FXF:+ XLBJFY L J{7FIGS 'lq8SM6 IJS;[K[P					
!Z	VF\S0FXF:+ VeIF;DF\ UMB65ÂLG[pT[HG D/[K[P					
!#	VF\S0FXF:+GF ;DFRFZ Z; 50[T[JF CMI K[P					
!\$	VF\S0FXF:+GF NFB,F XLBJF DF8[;TT D]CFJZM SZJM 50[K[P					
!5	XF/FDF\ VF\S0FXF:+ IJQI UF{6 CMJM HM.V[P					
!^	VF\S0FXF:+GF RF8"; T{IFZ SZJF DG[UD[K[P					
!&	VF\S0FXF:+GL ;\7FVM IFN ZFBJL V3ZL CMI K[P					
!*	VF\S0FXF:+GF NFB,FGL U6TZL ,FAL CMI K[P					
!(	VF\S0FXF:+ Z;5|N IJQI K[P					
Z)	V\FS0FXF:+ IJQIG]\ .àZJF\RG DG[UD[K[
Z!	JFI6HI IjnFXFBFDF\ VFU/ E6JF VF\S0FXF:+ VUtIGM IJQI K[
ZZ	B}A DC[GT SZJF KTF VF\S0FXF:+DF\ ;FZF U]6 VFJTF					

	GYL					
Z#	VF\S0FXF:+ DF+ CMIXIFZ IJnFYL"G[H VFJ0[P					
Z\$	VF\S0FXF:+ XLBJFYL DFICTLG]\ IJ`,[Q6 VG[VY"38G SZTF VFJ0[K[P					
Z5	VF\S0FXF:+GF VF,[B V3ZF ,FU[K[P					
Z^	XF/FDF\ O|L I5IZI0DF\ VF\S0FXF:+GF NFB,F U6JF DG[UD[K[P					
Z&	VF\S0FXF:+GF SMq8SM DG[;DHFTF GYLP					
Z*	VF\S0FXF:+DF\ VFJTF ;\EFJGF H[JF V[SDM G CMJF HM.V[P					
Z(	VF\S0FXF:+GF NFB,F U6JFYL DFGI;S YFS ,FU[K[P					
#)	VF\S0FXF:+G[,UTL X{1I6S 5J'ITVMDF\ DG[Z; K[P					
#!	VF\S0FXF:+DF\ VFJTF 5FIZEFIQS XaNM DG[;DHFTF GYLP					
#Z	VF\S0FXF:+GM VeIF;S|D ,FAM CMI K[P					
##	XF/FGF ;DI5+SDF\ VF\S0FXF:+GF JW] I5IZI0M CMJF HM.V[
#\$	5ZL1F ;DI[VF\S0FXF:+GF NFB,FGL U6TZL E},FI HFI K[P					
#5	VF\S0FXF:+ XLBJF DF8[ZDTUDTGF ;DI 5Z SF5 D}SJM					

	50[K[P					
#^	VF\S0FXF:+GF NFB,FGL U6TZLDF\ 36L AWL ZLTM CMJFYL U]\RJF0M YFI K[P					
#&	VF\S0FXF:+GF XLBJFYL Vgl IJQIM VFJ0[P					
#*	VF\S0FXF:+GF VeIF;YL GJ]\ 7FG 5]F%T YFI K[P					
#(	VF\S0FXF:+ XLBJFYL U6TZLG]\ SF{XÿI IJS;[K[P					
\$)	VF\S0FXF:+ Vgl IJQIMG]\ DCtJ 38F0[K[P					
\$!	VF\S0FXF:+GF VeIF;YL IJnFYL"GM AF{I†S IJSF; YFI K[P					
\$Z	VF\S0FXF:+GL IYIZL S\8F/FHGS CMI K[P					
\$#	\FS0FXF:+ ;)+MGF U],FD AGFJL N[K[P					
\$\$	IX1S ;Z/ ZLT[XLBJ[TM VF\S0FXF:+ ;Z/ IJQI AGL HFIP					
\$5	\FS0FXF:+ XLBJFYL EIJqI pH/)\ AG[K[P					
\$^	VF\S0FXF:+GF IX1S DFZF I5|I IX1S K[P					
\$&	VF\S0FXF:+LVMGF _JGRIZ+ DG[S\8F/M VF5[K[P					
\$*	\FS0FXF:+ V[DC[GT DF\UL ,[T]JM IJQI K[P					
\$(	VF\S0FXF:+GM RM50M T{IFZ SZJM DG[UDTM					

	GYLP					
5)	VF\S0FXF:+ IJQIYL 5ZL1FDF\ JW] U]6 VFJ[K[P					

APPENDIX-4

5|FYIDS :J~5GM J,6 DF5N\0

**WMP !Z sSMD;"fGF IJnFYL"VMG]\ VF\S0FXF:+ IJQI
5|tI[G]\
DGMJ,6 DF5JF DF8[P**

S| D	IJWFG	;\5}6" ;CDT	;CDT	T8:Y	V;CDT	;\5}6" V;CDT
!	VF\S0FXF:+ DFZM I5|I IJQI K[P					
Z	VF\S0FXF:+GF NFB,F U6JF DG[AC] UD[K[
#	XF/FDF\ VF\S0FXF:+G]\ IJQID\0/ CMJ]\ HM.V[P					
\$	VF\S0FXF:+ H[JM					

	IJQI VeIF;S|DDF\ CMJM HM.V[P					
5	VF\S0FXF:+GM I5IZI0 DG[UD[K[P					
^	VF\S0FXF:+GL IYIZL AC] V3ZL ,FU[K[P					
&	VF\S0FXF:+GM VeIF; SZJM V[;DIGM jII K[P					
*	DG[VF\S0FXF:+G]\ U'CSFI" SZJ]\ UD[K[P					
(	VF\S0FXF:+ 5|FYIDS WMZ6YL H XLBJJ)\ HM.V[P					
!)	VF\S0FXF:+ XLBJFY L J{7FIGS 'Iq8SM6 IJS;[K[P					
!!	VF\S0FXF:+ VeIF;DF\ UMB65ÂLG[pT[HG D/[K[P					
!Z	VF\S0FXF:+GF ;DFRFZ Z; 50[T[JF CMI K[P					
!#	VF\S0FXF:+GF NFB,F XLBJF DF8[;TT D]CFJZM SZJM 50[K[P					
!\$	XF/FDF\ VF\S0FXF:+ IJQI UF{6 CMJM HM.V[P					
!5	VF\S0FXF:+GF RF8"; T{IFZ SZJF DG[UD[K[P					
!^	VF\S0FXF:+GF NFB,FGL U6TZL ,FVAL CMI K[P					
!&	VF\S0FXF:+ Z;5|N IJQI K[P					
!*	V\FS0FXF:+ IJQIG]\ .àZJF\RG DG[UD[K[
!(	JFI6HI IjFXFBFDF\ VFU/ E6JF VF\S0FXF:+ VUtIGM IJQI K[

Z)	B}A DC[GT SZJF KTF VF\S0FXF:+DF\ ;FZF U]6 VFJTF GYL					
Z!	VF\S0FXF:+ XLBJFYL DFICTLG]\ IJ`,[Q6 VG[VY"38G SZTF VFJ0[K[P					
ZZ	VF\S0FXF:+GF VF,[B V3ZF ,FU[K[P					
Z#	XF/FDF\ O|L I5IZI0DF\ VF\S0FXF:+GF NFB,F U6JF DG[UD[K[P					
Z\$	VF\S0FXF:+GF SMq8SM DG[;DHFTF GYLP					
Z5	VF\S0FXF:+DF\ VFJTF ;\EFJGF H[JF V[SDM G CMJF HM.V[P					
Z^	VF\S0FXF:+G[,UTL X{1I6S 5|J'ITVMDF\ DG[Z; K[P					
Z&	VF\S0FXF:+DF\ VFJTF 5FIZEFIQS XaNm DG[;DHFTF GYLP					
Z*	VF\S0FXF:+GM VeIF;S|D ,FAM CMI K[P					
Z(	XF/FGF ;DI5+SDF\ VF\S0FXF:+GF JW] I5IZI0M CMJF HM.V[
#)	5ZL1F ;DI[VF\S0FXF:+GF NFB,FGL U6TZL E},FI HFI K[P					
#!	VF\S0FXF:+ XLBJF DF8[ZDTUDTGF ;DI 5Z SF5 D}SJM 50[K[P					
#Z	VF\S0FXF:+GF NFB,FGL					

	U6TZLDF\ 36L AWL ZLTM CMJFYU U]\RJFOM YFI K[P					
##	VF\S0FXF:+GF XLBJFYU Vgl IJQIM VFJ0[P					
#\$	VF\S0FXF:+GF VeIF;YL GJ]\ 7FG 5|F%T YFI K[P					
#5	VF\S0FXF:+ XLBJFYU U6TZLG]\ SF{XÿI IJS;[K[P					
#^	VF\S0FXF:+ Vgl IJQIMG]\ DCtJ 38F0[K[P					
#&	VF\S0FXF:+GF VeIF;YL IJnFYU"GM AF{I†S IJSF; YFI K[P					
#*	VF\S0FXF:+GL IYIZL S\8F/FHGS CMI K[P					
#(	VF\S0FXF:+LVMGF _JGRIZ+ DG[S\8F/M VF5[K[P					
\$)	V\S0FXF:+ V[DC[GT DF\UL ,[T[JM IJQI K[P					
\$!	VF\S0FXF:+GM RM50M T{IFZ SZJM DG[UDTM GYLP					
\$Z	VF\S0FXF:+ IJQIYL 5ZL1FDF\ JW] U]6 VFJ[K[P					

APPENDIX-7

FINAL ATTITUDE SCALE

Attitude of 12th Commerce Students towards statistics.

Guide :

Dr. Janakbhai Makwana

(M.Sc., Ph.D.)

Researcher

Maheta Rupa A.

(A research scholar from

Saurashtra University

(M.Com., M.Ed.)

Education Department

Saurashtra University, Rajkot

Student's Name : _____

Name of School : _____

Residence Area : _____ Gender : Boy/Girl

Type of School : _____ Medium of learning _____

Result of 11th Std. _____ Father's Education : _____

Mother's Education : _____

Dear Student's

The aim of present study is to know students attitudes towards the subject of statistics. This is not any kind of test. Responses are not right or wrong. In this attitude scale some statements about the subject of statistics are given. In reference to that you have to give just your opinion.

In this attitude scale there are 31 statements your opinion is important for each statement. Before you give opinion please read each statement very carefully and chose the right option given against statement mark with ✓ An Example is given below. Give Your answer as per example.

Example :

No.	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Statistics is my favorite subject		✓			

The information given by you will be kept confidential. Your information will be used only for research work. Therefore give your opinion for all the statements as per above example. There is no time limit, but give your answers quickly and carefully.

- Maheta Rupal A.

APPENDIX-6

V\ITD :J~5GM J,6 DF5N\0

S|D	IJWFG	;5}6" ;CDT	;CDT	T8:Y	V;CDT	;5}6" V;CDT
!	DG[VF\S0FXF:+GF NFB,F U6JF UD[K[P					
Z	VF\S0FXF:+GF ;)+M IFN ZFBJF V3ZF ,FU[K[P					
#	XF/FDF\ VF\S0FXF:+G)\ IJQI D\0/ CMJ)\ HM.V[P					
\$	VF\S0FXF:+GL IYIZL V3ZL ,FU[K[P					

5	DG[VF\S0FXF:+GM I5IZI0 UD[K[P					
^	DG[VF\S0FXF:+G]\ U'CSFI" SZJ)\ UD[K[P					
&	VF\S0FXF:+GF NFB,F XLBJF ;TT D]CFJZM SZJM 50[K[P					
*	VF\S0FXF:+GM VeIF; SZJM V[;DIGM AUF0 K[P					
(	VFS0FXF:+ 5|FYIDS WMZ6YL XLBJJ)\ HM.V[
!)	VF\S0FXF:+GF VeIF;YL UMB65ÂLG[pT[HG D/[K[P					
!!	VF\S0FXF:+ XLBJFYL J{7FIGS N=lq8IA\N] IJS;[K[P					
!Z	VF\S0FXF:+GF NFB,FVMGL U6TZL ,F\AL CMI K[P					
!#	VF\S0FXF:+ Vgl IJQIMG)\ DCtJ 38F0[K[P					
!\$	VF\S0FXF:+ Z;5]N IJQI K[P					
!5	VF\S0FXF:+GF VF,[B V3ZF ,FU[K[
!^	VF\S0FXF:+GF SMq8SM ;DHFTF GYLP					
!&	VF\S0FXF:+G]\ .àZJF\RG DG[UD[K[P					
!*	JFI6HI IJnFXFBFDF\ VFU/ E6JF VF\S0FXF:+ VUtIGM IJQI K[P					
!(	VF\S0FXF:+DF\ VFJTF ;\EJGF H[JF V[SDM V3ZF ,FU[K[P					

Z)	VF\S0FXF:+GM VeIF;S]D ,F\AM CMI K[P					
Z!	VF\S0FXF:+GF VeIF;YL DFICTLG]\ IJ`,[Q6 VG[VY"38G SZTF VFJ0[K[P					
ZZ	DG[VF\S0FXF:+G[,UTL X{1I6S 5]J'ITVMDF\ Z; K[P					
Z#	5ZL1FF ;DI[VF\S0FXF:+GF NFB,FGL U6TZL E],F. HFI K[P					
Z\$	VF\S0FXF:+GF VeIF;YL 5ZL1FFDF\ ;FZF U]6 VFJ[K[P					
Z5	VF\S0FXF:+GF VeIF;YL IjnFYL"VMG]\ U6TZLG]\ SF{XÿI JW[K[P					
Z^	VF\S0FXF:+GF VeIF;YL VgI IJQIM VFJ0[
Z&	VF\S0FXF:+LVMGF GFD IFN ZC[TF GYLP					
Z*	VF\S0FXF:+LGF VeIF;YL GJ]\ 7FG D/[K[P					
Z(	VF\S0FXF:+GF NFB,FGL U6TZLDF\ 36L ZLTM CMJFYL U]\RJF0M YFI K[P					
#)	VF\S0FXF:+ XLBJF DF8[ZDTUDTGF ;DI 5Z SF5 D}SJM 50[K[P					

:POSITIVE SENTENCES :

S|D	IJWFG	;\5}6" ;CDT	;CDT	T8:Y	V;CDT	;\5}6" V;CDT
!	VF\S0FXF:+GF NFB,F U6JF DG[UD[K[P					
#	XF/FDF\ VF\S0FXF:+G]\ IJQI D\0/ CMJ]\ HM.V[P					
\$	VF\S0FXF:+GM DG[I5IZI0 UD[K[P					
&	DG[VF\S0FXF:+G]\ U'CSFI" SZJ]\ UD[K[P					
*	VF\S0FXF:+ 5|FYIDS WMZ6YL XLBJJ]\ HM.V[P					
(	VF\S0FXF:+ XLBJFYL J{7FIGS N=lq8SM6 IJS;[K[
!!	VF\S0FXF:+GF ;DFRFZ Z; 50[T[JF CMI K[P					
!#	VF\S0FXF:+GF RF8"; T{IFZ SZJF DG[UD[K[P					
!^	VF\S0FXF:+ Z;5|N IJQI K[P					
!&	VF\S0FXF:+ IJQIG]\ .àZJF\RG DG[UD[K[P					
!*	JFI6HI IJnFXFBDF\ VFU/ E6JF VF\S0FXF:+ VUtIGM IJQI K[P					
Z)	VF\S0FXF:+ XLBJFYL DFICTLG]\ IJ`,[Q6 VG[VY"38G SZTF VFJ0[K[P					
ZZ	XF/FDF\ O|L I5IZI0DF\ VF\S0FXF:+GF NFB,F U6JF UD[K[P					
Z\$	DG[VF\S0FXF:+G[,UTL X{1I6S 5|J'ITVMDF\ Z;					

	K[P					
Z*	VF\S0FXF:+ XLBJFYL Vgl IJQIM VFJ0[
#)	VF\S0FXF:+GF VeIF;YL JW] 7FG 5|F%T YFI K[P					
#Z	VF\S0FXF:+ XLBJFYL U6TZLG]\ SF{XÿI IJS;[K[P					
\$Z	VF\S0FXF:+ IJQIYL 5ZL1FDF\ ;FZF U]6 VFJ[K[P					

:NEGATIVE SENTENCES :

S|D	IJWFG	;\5}6" ;CDT	;CDT	T8:Y	V;CDT	;\5}6" V;CDT
!	VF\S0FXF:+GF ;)+M IFN ZFBJF V3ZF ,FU[K[P					
Z	VF\S0FXF:+GL IYIZL V3ZL ,FU[K[P					
#	VF\S0FXF:+GM VeIF; SZJM V[;DIGM AUF0 K[
\$	VF\S0FXF:+GF VeIF;YL UMB65ÂLG[pT[HG D/[K[
5	VF\S0FXF:+GF NFB,F XLBJF ;TT D]CFJZM SZJM 50[K[
^	VF\S0FXF:+GF NFB,FVMGL U6TZL ,F\AL CMI K[
&	VF\S0FXF:+GF SMq8SM ;DHFTF GYL					
*	VF\S0FXF:+DF\ VFJTF ;\EFJGFGF V[SDM					

	V3ZF ,FU[K[P					
(	VF\S0FXF:+GM VeIF;S|D ,FVAM CMI K[P					
!)	5ZL1F ;DI[VF\S0FXF:+GF NFB,FGL U6TZL E],F. HFI K[
!!	VF\S0FXF:+GF VF,[B V3ZF ,FU[K[P					
!Z	VF\S0FXF:+GF NFB,FGL U6TZLDF\ 36L AWL ZLTM CMJFYU U]\RJF0M YFI K[
!#	VF\S0FXF:+LVMGF GFD IFN ZC[TF GYL					
!\$	VF\S0FXF:+ Vgl IJQIMG]\ DCtJ 38F0[K[P					
!5	VF\S0FXF:+ XLBJF DF8[ZDTUDTGF ;DI 5Z SF5 D]SJM 50[K[P					

APPENDIX-8

Final Attitude Scale

An attitude Scale of Statistics for the students of 12th commerce:

No.	Statement	Strongly	Agree	Neutral	Dis-agree	Strongly Agree
1	I like to count the sums of statistics					
2	It is difficult to remember formulas of statistics					
3	A subject association of statistics should be there in school					
4	I find difficult theory of statistics					
5	I like the period of					

	statistics					
6	I like to do the home work of statistics.					
7	It is necessary to do practice continuously to learn sums of statistics					
8	Study of statistics is a waste of time					
9	Statistics should learn as a subject from primary standard					
10	Study of statistics given inspiration to learning of rote.					
11	A scientific view point can be developed by learning statistics					
12	Calculation of sums of statistics is lengthy.					
13	I can't get enough time to play because I have to spend more time to learn statistics.					
14	Statistics is an interesting subject					
15	Graphs of Statistics are very difficult					
16	Tables of Statistics are very difficult					
17	I like to learn other reading about statistics					
18	Statistics is an important subject to study further in commerce stream					
19	Unit like probability in statistics is difficult					
20	The syllabus of statistics is lengthy					
21	By studying statistics we learn analysis and interpretation of data					
22	I am interested in educational activities related to statistics					
23	Calculation of sum is forgotten at the time of examination					
24	By studying statistics we can get good marks in the					

	examination					
25	By studying statistics students calculation speed increases					
26	I can learn other subjects with the help of statistics					
27	I can't remember the names of statistician.					
28	By studying statistics I get new knowledge					
29	I get confused as there are many methods of sums calculation in statistics					
30	Statistics decreases the importance of other subject					