

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : Pedagogy of Mathematics Group-B

Subject Code : 4ED02PMA2

Branch: B.Ed.

Semester : 2

Date : 07/05/2018

Time : 10:30 To 01:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

5|`G o!sVf GLR[VF5[,F 5|`GMDF\YL SM. 56 V[S 5|`GGMVFXZ[5)) XaNMDf\ pàZ
VF5MP s)*f

s!f V[SD VFIMHG V[8,[X]\mV[SD VFIMHGGF\ ;M5FGM H6FJL ;FNF5F9 VFIMHG
VG[V[SD VFIMHG JrR[GM TOFJT ,BMP

sZf VFNX" 5|`G5+GF\ ,16M H6FJL UI6TDF\ ÷5RFZFtDS IX16GL ÷5IMULTF
H6FJMP

5|`G o!sAf GLR[VF5[,F 5|`GMDF\YL SM. 56 A[5|`GMGFVFXZ[!5) XaNMDf\ pàZ
VF5MP s)^f

s!f UI6TGF WMZ6 (s;[Dç!fGF\ 5F9I5]:TSG]\ D}ÿIF\SG SZMP

sZf UI6T IX1SGF\ ,16M H6JMP

s#f VGFtD,1L 5|`GM SMG[SC[JFI m÷NFCZ6 VF5L ;DHFJMP

5|`G oZsVfGLR[VF5[,F 5|`GMDF\YL SM. 56 V[S 5|`GGMVFXZ[5)) XaNMDf\ pàZ
VF5MP s)*f

s!f EFZTLI UI6TXF:+LVMG]]\ UI6T1[+[5|NFG H6FJMP!PEF:SZFRFI" ZPVFI"EÂP

sZf UI6T D\0/ V[8,[X]\mUI6T D\0/GL IJIW 5|J'laVMGL IFNL AGFJMP

5|`G oZsAfGLR[VF5[,F 5|`GMDF\YL SM. 56 A[5|`GMGFVFXZ[!5) XaNMDf\ pàZ
VF5MP s)^f

s!f \SUI6T IX16GF\ C[T]VM H6FJL DCtJ ;DHFJMP

sZf 5FIYFUMZ;G[IJ`JGF\ V[S DCFG UI6T7 TZLS[D}ÿJMP

s#f SM. V[S ÷NFCZ6 <FZF J{INS UI6TGL 8}\SL ZLT ;DHFJMP



5) G o#sVfGLR[VF5[,F 5) GMDFYL SM. 56 V[S 5) GGMVFXZ[5)) XaNMDF\ pàZ VF5MP s)*f

s!f ΔABC $m\angle A - m\angle B = 70$ VG[$m\angle B - m\angle C = 40$ CMI TM ΔABC GF\ TDFD B)6FVMGF\ DF5 XMWMP

sZf ;F0LGM V[S J[5FZL 20% J/TZ[~FP600GL KF5[[,L ISDTJF/L VD]S ;F0LVM ,FJ[K[PVF NZ[S ;F0L ~FP540 ,B[J[R[TM T[G[;F0L NL9 S[8,F ~I5IF GOM S[BM8 YFI mVF ;F0L 5Z U[FCSG[S[8,F 8SF J/TZ D?I)\ SC[JFI m

5) G o#sAfGLR[VF5[,F 5) GMDFYL SM. 56 A[5) GMGFVFXZ[!5) XaNMDF\ pàZ VF5MP s)^f

s!f IJ:TZ6GF\ ;)+GM p5IMU SZL \SDT XMWMP1. (12)²2. (34)²

sZf $a + b + c = 0$ $a^3 + b^3 + c^3 = 3abc$ IGtl;DGM p5IMU SZL

$(-28)^3 + (15)^3 + (13)^3$ GL ISDT XMWMP

s#f VIJEFHI VJIJGL ZLT[JU”D)/ XMWMP 1089

5) G o\$sVfGLR[VF5[,F 5) GMDFYL SM. 56 V[S 5) GGMVFXZ[5)) XaNMDF\ pàZ VF5MP s)*f

s!f RT]qSM6LI 5|N[X V[8,[X)m 1[+O/GL 5)J”WFZ6FVM ,BMP

sZf ;FA] AGFJTL V[S S\5GLDF\ ;FA]GF\ 18000 AMS; T{IFZ SZTF\ DG]EF.G[90 INJ; SG]EF.G[100 INJ; VG[ZFD]EF.150 INJ; ,FU[K[HM +6[I ;FY[E[UF D/L 18000 AMS; T{IFZ SZL S], ~FP54000 DC[GTF6]\ D[/J[PTM NZ[SG[S[8,L S[8,L ZSD D/L CX[m

5) G o \$sAfGLR[VF5[,F 5) GMDFYL SM. 56 A[5) GMGFVFXZ[!5) XaNMDF\ pàZ VF5MP s)^f

s!f VJ,MSGM 2,5,6,11,11,12,13,14 GM DwIS XMWMP

sZf ;FN)\ ~5 VF5L \SDT XMWMP $(3 \times 6)^2 \div (3^3 \times 2^2)$

s#f HM $a + b = 6$ VG[$ab = 8$ CMI TM $a^3 + b^3$ GL ISDT XMWMP

5) G o5 GLR[VF5[,F 5) GMDFYL TDFD 5) GMGFV[S XaN S[V[S JFSIDF\ pàZ VF5MP s!\$f

s!f 5}6F”S ;\bIFDF\ X[GM ;DFJ[X YFI m

sZf ;DT,LI Z[BFVM SMG[SC[JFI m



s#f (-12) × 5 = _____

s\$f 5/7 V[_____ K[P

s5f ^&5 G[GFGFDF\ GFGL S> ;\bIF J0[U]6JFYL 5}6”WG AG[m

s^f SIF R[SGF\ GF6F\ ZMS0F D/TF GYL 5Z\T] BFTFDF\ HDF YFI K[m

s&f * l,8Zê _____ WG ;[DLP

s*f IX1S CFY5MYLGF\ A[C[T]VM H6FJMP

s(f E}IDITGF 5|6[TF SM6 CTFm

s!)f iX}glöGF\JEFHGGL YLIZL SM6[VF5L CTL[m

s!!f ZRGftDS D}ÿIF\SGDF\ ;DFIJq8 A[5J’ITVM H6FJMP

s!Zf iD}/TtJöV[SIF UI6TXF:+LGF\ 5]:TSG]\ GFD K[[m

s!#f E}IDITGF\ SM. 56 A[C[T]VM H6FJMP

s!\$f UI6T ;FDFIISGF\ GFD ,BMP

