2007 (A)

Time : 4 Hrs.

D₁G

F.Surv.Pr.

Full Marks : 40

Pass Marks : 16

1. *Each question carries equal marks.*

   iR;d i/u dk eku cjkcj gSA

2. *Examiners will allot **any one** field work from the undermentioned field works to the examinee / group of examinees by lottery to perform the work as per instruction.*

   ijh{kd fuEukafdr {ks= dk;ksaeal sfdl h ,d {ks= dk;Z dksi/u ea fn;s x;s funZkk ds vuql kj laiUu djus grq i/u dk vkoVu ijh{kkFkh@ijh{kkFkZ;ksa ds le g dksYkkWVjh }kjk djxsA

3. *Necessary calculations, drawing and other works shall be done individually.*

   vko';d x.kuk] vkjs[ku ,oa vU; dk;Z 0;fDrxr : i I sfd;s tk,xA

4. *Marks are to be distributed in the following orders :*

   vadksdk forj.k fuEu çdkj fd;k tk; %

		Intrn. *Comm.*	Extn. *Comm.*
(a)	Practical exercise book *oxZesafd;s x;s çk;ksxkadh iqLrdk*	5	10
(b)	Procedural reporting and result *dk;Zfof/o;u ifrosnu ,oafu"d"kZ*	10	10
(c)	Viva voce *ekSf[kd ç'u*	5	–

   P.T.O.

1. Measure the distance between two given points about 100 metre apart by chain survey and obtain offsets of main points. Write down the readings in your answer book and prepare the plan on a suitable scale.

{kस= eafn;sx;snksfcUnqvkadschp dh nyjh yxHkx 100 ehVj yqdj

tjhc lo{k.k }kjk bl nyjh dksukia,oa[kl dka}kjk eq[; fcUnqvka

dksKkr djsA iBukadksmÙkj&iqfLrdk eafy[ka,oa{kस= dk vkjs[ku

djsA

2. Measure the bearings of sides of a given closed Traverse ABCDE by means of a prismatic compass and write down the observations in your answer book. Take the suitable length of the sides of the Traverse.

fçTeh dEikl ls,d fn;sx;scUn pØe ABCDE dh lHkh Hkqtkvka

dk fndeku Kkr dja,oamÙkj&iqfLrdk esiBukdksfy[ka pØe dh

iR;d Hkqtk dh mi;qDr yEckbZyaA

3. Set up the plane Table at a given station in the field. Plot the positions of some objects around the table on the plan by Radiation Method.

{kस= eafn;sx;s,d LVśku ij lyu Vcय dksLFkkfir djaA fofdj.k

fof/k }kjk jς[k.k&i= ij {kस= eaVcय dspkjkavkj fLFkr dN oLrqvka

dk LFkku fu/kkÑjr djaA

4. Assume the Bench Mark of a given point in the field as 100.000 metres. With the help of a level find out the Reduced Level (R.L.) of another point at a distance of about 500 metre.

{kस= eafn;sx;s,d fcUnqdk ry fpà 100.000 ehVj ekudj yςy

}kjk bl fcUnqls yxHkx 500 ehVj dh nyjh ij fLFkr fdlh nुljs

fcUnqdk l ekuhr ry Kkr djaA

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