

2007 (A)

Time : 4 Hrs.

D1G
F.Surv.Pr.

Full Marks : 40

Pass Marks : 16

1. Each question carries equal marks.
iR; d i zu dk eku cjkj gA
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.
i jh{kld fuEukfdr {ks= dk; k=ea l sfdl h , d {ks= dk; zdks i zu ea fn; s x; s funk ds vuq kj l i lu djus grq i zu dk vkod/u i jh{kffkz@i jh{kffkz ka ds l emg dks YkkWjh }kjk djxkA
3. Necessary calculations, drawing and other works shall be done individually.
vko'; d x.kukj vkjs[ku , oa vll; dk; z 0; fDrxr : i l sfd; s tk, xA
4. Marks are to be distributed in the following orders :
vcdks dk forj.k fuEu cdkj fd; k tk; %

	<u>Intrn.</u> <u>Comm.</u>	<u>Extn.</u> <u>Comm.</u>
(a) Practical exercise book oxl ea fd; s x; s c; kxka dh i flrdk	5	10
(b) Procedural reporting and result dk; koo; u i fronu , oa fu"d"lz	10	10
(c) Viva voce ekf[kd c'u	5	-

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.

{ks= eafn; sx; snksfclnq/ka dscph dh njh yxHkx 100 ehVj ydij
tjhc l o{k.k }kjk bl njh dksuki a, oa [kl dka }kjk eq; fclnq/ka
dksKkr djA i Buka dksmÜkj & i qLrdk eafy [ka, oa {ks= dk vkjçku
djA

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 dEi kl l s, d fn; sx; scln pØe ABCDE dh l Hkh Hkqt kvka
dk fndeku Kkr dja, oamÜkj & i qLrdk eai Buka dksfy [ka pØe dh
i R; d Hkqt dh mi ; qR yEckbz ya

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.

{ks= eafn; sx; s, d LV\$ku ij lysu Vcy dksLFkfi r djA fofdj.k
fof/k }kjk js[k.k&i = ij {ks= eaVcy dspkjkavkj fLFkr dñ olr/ka
dk LFku fu/kkZjr djA

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.

{ks= eafn; sx; s, d fclnqdk ry fpà 100.000 ehVj ekudj ycy
}kjk bl fclnq l syxHkx 500 ehVj dh njh ij fLFkr fdl h nñ js
fclnqdk l ekuhr ry Kkr djA

