			[3 Hours	Marks:	80 13	MAY	5013
N.	В: •	Question No.1 is com	pulsory.		30 1 3	1/3/w	
	:	Assumptions, if any,	tions out -Cut	aining questions.	wherever	ranuland.	
Q	1	(Solve Any four sub-	-questions Fach			required.	
	a) b) c) d) e)	Explain the field proc method of deflection. Describe the roles and Write a note on Remo Draw the format of a Explain the working of	angles, d responsibilities of the Sensing and its 7/12 Abstract and	Survey of India de applications in Civi	partment.	ne's	20)
Q 2			0,5	receiver.			
V 2		Tr.					(20)
	a)	Two tangents intersec Calculate all the neces by Rankine's method.	Take Peg Interval	g out a curve with	a radius of	f 350 m	12
		Two straights AB and angle is 520. It is properties between two transitions elements required to se	BC intersect at a posed to insert a on curves of length	chainage of 2520	adius 340	metrec	08
3							(20)
-1	a) /	A downgrade of 2.5%	is followed by an	unmade of 2 50/ 5	CL DI C		(20)
l	as	ngur is to be introduced, Calculate the elevation	te de charlage is ted to connect the ions of the points	1400 m A yertid two grades. If the	peg inter	of 100 n val is 20	ή
		hat do you understan etting out a building.	nd by setting out o	f a work? Explain	the proce	edure for	08
							(20)
. 8	) E	cplain Any one of the	following project	ts in detail:			10
	1	i) Radial conto	ouring. ii) Prof	ile levelling.			
b	CONTRACTOR OF	plain stepwise proce tal station including	V. Committee of the Com		verse AB	CD using	g 10
							(20)
	14.	ntion the general and	d Civil Engineeri	na specific applic	ations of	GPS.	10
a b	The	e meridian altitude of star lying between t	f a star was obser he zenith and the	ved to be 64°36'2 equator. The dec	0" on a ce	ertain day	y, 05
c	Stat	26°12'10"N. Find to	ne latitude of the consibilities of a	Tehsildar.	tion.		05

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Q5