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	Code I	No: 133BU WAĤARLA	L NEHRU T	ECHNOLOGICATER Examinations	AL UNIVERSIT	R16 Y HYDERABAD ember - 2018] 215 CE
PQ	Time:	3 Hours	PQ	SURVEYING (Common to CE, ains two parts A ar	G CEED	Max. Marks: 7	
	Note:	Part A is con	mpulsory whi	ich carries 25 marl nits. Answer any marks and may ha	cs. Answer all que one full que	from each unit.	
PQ			PQ	PARTA	PQ	(25 Mark	
	1.a) b) c)	What are the	e advantages	sifications of surve of observing back e following terms? ouble meridian di	bearing in a close		
PQ	d) e) f) g)	What are the What are ad What are the	conditions to vantages of the advantages	determination of a to be satisfied in a raversing over tria of Tacheometric s	closed theodolite and all the control of the contro	traverse? [3] [3] [3] [3] er methods? [2]	PQ F
	h) i) j)	What is mea	int by Shift o vantages of u	f a curve? sing Total station. ing principle of Gl		[3] [2] [3]	
	2.a) b)	compass				(50 Marl mpass and surveyo	r's
PQ	3.a) b)	intervisible.	eying. What	OR are the principles	of surveying? Exp	[0+4	
	4.	What is m determine i		ea of zero circle	" of a planimete	r? How would y	70 u
PQ	5.a) b)	Discuss the Explain the	characteristi method of c	cs of contours. Gi	ve suitable sketchoume by Prismoida	es. () I formula (5+5	PQ F
, ···	6.a) b)	Explain the What are va	temporary a arious checks	djustments of a tra to be performed of OR	nsit. on closed and oper	n traverse? [5+5	5 }
PQ			PQ	PO	PQ	PQ	PO F

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PQ	Instrument Station O	n B.(m) elev 0.862 18 ⁰ 36 .222 10 ⁰ 12	ation Ren Ren Ren Ren Ren Ren Ren Ren Ren Re	of B.M. 21.380m	PQ	determined by a second						
	Stations A and B and the top of chimney are in the same vertical plane. [10] 8.a) What do you understand by tacheometery? Discuss the errors in stadia surveying. b) List the various methods of setting out a simple circular curve. OR Two straights Ac and BC meet at an inaccessible point C. They are to be connected by a simple curve of radius 12 chains. Two points P and Q are selected on AC and BC respectively and the following measurements are made, Angle APQ=160°; Angle BQP=164°; PQ=86m.											
	Chainage of P=71. Determine: a) The deflection a b) Tangent length c) Length of the cu	ngle of the curve curve end points of the curve		[10]	PQ.	11 12 12 12 12 12 12 12 12 12 12 12 12 1						
	mongrired using the	f the distance measured			ent.							
 Write a short note on the errors in EDM. Suggest possible users of a GPS and how it might benefit them. [5+5] 												
		<u> </u>			PQ	2000						
			PQ	PQ		September 20th Accomplished						
		Q PQ				Type began on the control of the con						
		•										