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MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act,1956

Max. Marks: 70

10M

CO2

BL4

II B.Tech I Sem Regular End Examination, FEBRUARY-2022

Surveying and Geomatics (CIVIL ENGINEERING)

Time: 3 Hours.

Explain the method of finding capacity of reservoir

Note: 1. Question paper consists: Part-A and Part-B.

- 2. In Part A, answer all questions which carries 20 marks.
- 3. In Part B, answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART- A

			PART- A							
	(10*2 Marks = 20 Marks)									
1.	a)	D	efine bench mark.	2M	CO1	BL1				
	b)	W	hat is meant by bearing?	2M	CO1	BL1				
	c)	Di	raw contour of hill.	2M	CO2	BL1				
	d)	Di	raw neat sketch of dumpy level.	2M	CO2	BL1				
	e)	Na	ame the instruments to measure vertical heights.	2M	CO3	BL1				
	f)	W	rite the use of fundamental line.	2M	CO3	BL1				
	g)	H	ow to correct omitted measurement?	2M	CO4	BL1				
	h)	W	hat is compound curve?	2M	CO4	BL1				
	i)	W	hat is purpose of total station. Mention the instruments replaced by it	2M	C05	BL1				
	j)	W	rite the advantages of GPS Advantage.	2M	CO5	BL1				
			PART- B							
		(10*5 Marks = 50 Marks)								
	2	a)	Explain various classification of surveying.	5M	CO1	BL4				
		b)	Draw any five conventional symbols adapted in survey.	5M	CO1	BL2				
			OR							
	3		Explain different methods of distance measurement.	10M	CO1	BL4				
	4									
	4	a)	Explain the characteristics of contours.	5M	CO2	BL4				
		b)	What is the advantage of contours?	5M	CO2	BL1				
OR										

6	a)	Explain the trigonometrical leveling for base is accessible.	5M	CO3	BL4					
	b)	What are the principles of tacheometry?	5M	CO3	BL1					
OR										
7		Explain tangential method of tacheometry	10M	CO3	BL4					
8	a)	Explain the significance of simple curves in survey.	5M	CO4	BL4					
	b)	Write the procedure to record traverse measurements	5M	CO4	BL1					
OR										
9		Explain the methods of traversing.	10M	CO4	BL4					
10	a)	What are the available modern surveying methods?	5M	CO5	BL1					
	b)	Explain types of EDM instruments.	5M	CO5	BL4					
OR										
11		Draw the neat sketch of total station.	10M	CO5	BL2					

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