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

MLRS

II B.Tech I Sem Regular End Examination, March 2021
SURVEYING AND GEOMATICS
(CIVIL)

Time: 3 Hours.   **Max. Marks: 70**

Note: 1. Answer any FIVE questions.
   2. Each question carries 14 marks and may have a, b as sub questions.

1	a)	Define the principle of surveying.	7M	CO	BL
	b)	List out the conventional symbols.	7M	CO	BL
2	a)	Explain field works involved in the surveying.	7M	CO	BL
	b)	Explain office and maintenance works involved in the surveying.	7M	CO	BL
3	a)	What are the characteristics of a contour?	7M	CO	BL
	b)	Draw contours of (i) a Hill (ii) a Valley	7M	CO	BL
4	a)	What is Trigonometric leveling? Write down its different cases.	7M	CO	BL
	b)	Explain Trigonometrical levelling when base is inaccessible.	7M	CO	BL
5	a)	Differentiate the terms level and levelling. Explain the purpose of levelling staff in surveying.	7M	CO	BL
	b)	Explain fundamental lines to be referred in theodolite surveying.	7M	CO	BL
6	a)	Explain principles of Tacheometry.	7M	CO	BL
	b)	Discuss the errors in stadia method.	7M	CO	BL
7	a)	List out various types of EDM instruments.	7M	CO	BL
	b)	Define the terms: flight, paper print, shutter, focal plane.	7M	CO	BL
8		Explain briefly photographic mapping.	14M	CO	BL

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