

Final - 23.10.2021

Course Code: 1930111

Roll No:

MLRS- R19



**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 Section 2(f) & 12(B) of the UGC act, 1956

II B.Tech I Sem Supply End Examination, October 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) Explain various types of surveying.	7M	CO1	BL3
	b) Draw a neat diagram of prismatic compass and explain its function.	7M	CO1	BL4
2	List out surveying accessories to measure distance and explain its functions.	14M	CO1	BL4
3	a) What are the uses of a contour?	7M	CO2	BL3
	b) Draw contours of a water pond and mountain.	7M	CO2	BL3
4	Explain Trigonometrical levelling when base is accessible.	14M	CO3	BL4
5	a) Explain various methods of levelling.	7M	CO2	BL4
	b) Write the basic adjustments to be done to fix up a theodolite.	7M	CO3	BL2
6	List out various methods of setting out a simple circular curve.	14M	CO4	BL3
7	a) Explain the advantages of total station	7M	CO4	BL4
	b) Define the terms :Aerial photograph, Mosaic, Map, Lens	7M	CO5	BL3
8	Explain briefly Terrestrial photogrammetry.	14M	CO5	BL3

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