

Reg. No.



**MANIPAL INSTITUTE OF TECHNOLOGY**  
**MANIPAL**  
 (A constituent unit of MAHE, Manipal)

IV SEMESTER B.TECH (CIVIL ENGINEERING)

END SEMESTER EXAMINATIONS, JUNE 2022

**SUBJECT: INTRODUCTION TO REMOTE SENSING AND GIS [CIE 4305]****REVISED CREDIT SYSTEM**

(\_ / 06 / 2022)

Time: 3 Hours

Max. Marks: 50

**Instructions to Candidates:**

- ❖ Answer ALL the questions
- ❖ Missing data may be suitably assumed
- ❖ Draw diagrams wherever necessary

Q.No		Marks
1A.	How to obtain False Color Composite. Explain its use.	6
1B.	What are the criteria for selecting training sites? Explain	4
2A.	Write a short note on GPS	6
2B.	Write a short note on a) Contrast stretching b) Histogram equalisation	6
3A.	Differentiate between supervised and unsupervised classification	6
3B.	What do you mean by georeferencing?	4
4A.	Explain Write a note on DEM	6
4B.	List the advantages and disadvantages of raster	4
5A.	Explain Edusat project	6
5B.	What are the common application areas in which vector data model is used?	4