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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL

A Constituent Institution of Manipal University

IV SEMESTER B.TECH. (OPEN ELECTIVE)
END SEMESTER EXAMINATIONS, APRIL/MAY 2017
SUBJECT: INTRODUCTION TO REMOTE SENSING AND GIS [CIE 3282]

REVISED CREDIT SYSTEM

(20/06/2017)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.
- ❖ Draw diagrams wherever necessary

1A.	Explain stages of remote sensing	5
1B.	Explain classification of sensors	5
2A.	What are Visual interpretation keys? Explain any 3 visual interpretation keys in detail	7
2B.	Write a short note on GPS	3
3A.	Explain pre-processing	6
3B.	Explain Principal Component Analysis	4
4A.	What are the limitations of Digital Image Processing?	4
4B.	What is spectral reflectance curve? Explain	6
5A.	Explain components of GIS	4
5B.	What is the difference between topology model and CAD model? Explain	6