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
(02/05/2017)

Time: 3 Hours   MAX. MARKS: 50

Instructions to Candidates:
❖ Answer **ALL** the questions.
❖ Missing data may be suitable assumed.
❖ Draw diagrams wherever necessary

1A.	How to obtain False Color Composite. Explain its use.	**6**
1B.	What are training sites? How this will help in supervised classification	**4**
2A.	Differentiate Geostationary and Sun-synchronous orbit	**6**
2B.	Explain Push broom and Whisk broom scanning	**4**
3A.	Define a) Spatial Resolution b) Spectral Resolution c) Radiometric Resolution	**6**
3B.	What do you mean by georeferencing? Explain	**4**
4A.	Write short note on a) Ground Truth Verification b) DEM	**4**
4B.	Differentiate Raster and Vector	**4**
4C.	What is atmospheric window? Explain	**2**
5A.	Explain Rayleigh and Mie scattering in detail	**4**
5B.	Explain BHOOMI project	**6**