

Total No. of Pages: 1

6419

Register Number:

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(GEO-INFORMATICS)

(SECOND YEAR)

620. SATELLITE REMOTE SENSING

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

(5 × 20 = 100)

1. a) Describe types of remote sensing and its advantages?
(OR)
b) Explain in detail “Electro Magnetic Radiation” and its interaction with atmosphere.
2. a) Write essay on various types of resolutions in remote sensing.
(OR)
b) Give detailed note on “Spectral Response Patterns” of various surface.
3. a) Write the principles of remote sensing and applications.
(OR)
b) Explain in detail various platforms used in aerial and satellite remote sensing.
4. a) Write in detail about the scanning mechanism and geometry of SLAR and SAR satellite altimeters.
(OR)
b) Explain in detail the principles and concepts of microwave remote sensing.
5. a) Explain the geometry and radiometry of ASTER, MODIS, and IKONOS satellites.
(OR)
b) Highlight the development and history of space imagery and the future remote sensing missions.

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