M.Sc. DEGREE EXAMINATION - 2010

(GEO INFORMATICS)
(SECOND YEAR) / (PAPER – VIII)
620. SATELLITE REMOTE SENSING

May.)   (*Time: 3 Hours*

Maximum: 100 Marks

Answer ALL questions   (*5×20=100*)
All questions carry equal marks

1. a) Write an essay on energy interactions with earth's atmosphere.

   (or)

   b) Write notes on

   i) Various types of scattering and their significance in remote sensing.

   ii) Radiation principle

2. a) Describe various types of sensor resolutions.

   (or)

   b) Write a detailed account on the spectral reflectance characteristics of vegetation, soil and clear water with suitable illustrations.

3. a) Write notes on   i) Platforms on remote sensing.

                             ii) Orbiting mechanisms of satellite.

   (or)

   b) Write as essay on thermal remote sensing.

4. a) Describe the salient features of   i) Microwave radiometer.

                                          ii) Geometric characteristics of microwave data.

   (or)

   b) Describe the various parts and operating principle of i) SLAR and ii) SAR.

5. a) Write an account of

   i) Meteorological satellites   ii) Future remote sensing missions of India.

   (or)

   b) Describe the sensor characteristics of SPOT and IRS series of satellites.

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