Total No. of Pages: 1

Register Number: **6026**

Name of the Candidate:

M.Sc. DEGREE EXAMINATION - 2010

(GEO-INFORMATICS)

(SECOND YEAR)

(PAPER – VIII)

620. SATELLITE REMOTE SENSING

December) (*Time: 3 Hours*

Maximum: 100 Marks

Answer ALL questions. **(5 × 20 = 100)**

Each answer should be in about 1,500 words.

1. (a) Write an essay on energy interactions with earth surface features.

   (OR)

   (b) Write a detailed note on energy interaction with earth's atmosphere.

2. (a) Describe various types of sensor resolutions.

   (OR)

   (b) Give a detailed account of the spectral reflectance characteristics of earth's surface features.

3. (a) Give a detailed account of thermal remote sensing.

   (OR)

   (b) Write an essay on the various scanning mechanisms in remote sensing.

4. (a) Describe the operating principle of SLAR and SAR.

   (OR)

   (b) Write an account of the basic concepts of microwave sensing. Give a short account of the geometric characteristics and spatial resolution of microwave data.

5. (a) Write an essay on Remote Sensing programme in India. Add a note on the future Indian Remote Sensing missions.

   (OR)

   (b) Describe the sensor characteristics of IRS and Landsat series of Satellites.

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