

Total no of Pages:

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Register Number:

2136

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, 2011

(GEO-INFORMATICS)

(SECOND YEAR)

(PAPER-VIII)

620. SATELLITE REMOTE SENSING

May)

(Time: 3 Hours

Maximum: 100 Marks

Answer all questions

Each answer should be in about 1500 words

1. a) With examples, describe the advantages of remote sensing over the conventional survey methods.
(OR)
b) Write about the energy interaction in the atmosphere and the atmospheric windows.
2. a) With suitable examples, describe the salient features of spectral reflectance curves.
(OR)
b) How resolution aspects are helpful in identifying various objects of the earth?
3. a) Write about the platforms used in remote sensing activity.
b) Examine the significance of thermal inertia in detecting various terrestrial objects.
4. a) Examine the characteristics and functioning of microwave sensors.
(OR)
b) Compare and contrast the operations and applications of SLAR and SAR.
5. a) Examine the resolution aspects of Landsat, MSS and TM sensors.
(OR)
b) Write about the future remote sensing missions of India.

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