8449

Reg. No. : .....

Name : .....

Third Semester M.Sc. Degree Examination, February 2015
Branch : Environmental Sciences
ES 231 – REMOTE SENSING AND GIS
(2013 Admission)

Time : 3 Hours

Max. Marks : 75

I. Write brief notes on **any ten** of the following : **(10×2=20 Marks)**

1) Energy sources in remote sensing
2) Types of filters
3) Relief displacement
4) Thermal sensors
5) EM spectrum
6) MSS
7) QUICKBIRD
8) Stereopair
9) Raster data
10) GPS satellite signals
11) Buffering
12) Polar satellites.

II. Answer **any five** of the following : **(5×5=25 Marks)**

13) Describe briefly the applications of GIS in landuse landcover studies.
14) Describe map overlay techniques.
15) Describe photogrammetric instruments.
16) What are the special features of remote sensing ?
17) Components of GIS.
18) Application of GPS in environmental studies.
19) Image classification.

III. Answer **any two** of the following : **(2×15=30 Marks)**

20) Write an essay on the basic processes in remote sensing.
21) Describe in detail the satellite characteristics and describe the functions of Cartosat and Oceansat.
22) Write an essay on applications of remote sensing and GIS in disaster management studies.

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