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Reg. No. :

Name :

Second Semester M.Sc. Degree Examination, August 2009
Branch : Geography
GO 221 : PRINCIPLES OF REMOTE SENSING
(For 2007 Admn. Onwards)

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer **any two** questions from **each** Unit. **Each** question carries **2** marks.
(10×2=20 Marks)

Write short notes for the following :

1. a) Define Remote sensing
b) Atmospheric window
c) EMR
2. a) Oblique air photographs
b) Relief displacement
c) Nadir point
3. a) Pixel
b) IRS
c) Digital number
4. a) Image enhancement
b) Supervised classification
c) Training set
5. a) Texture
b) Stereoscope
c) Land use Land cover.

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SECTION – B

Answer **any one** question from **each** Unit. **Each** question carries **5** marks. **(5×5=25 Marks)**

6. a) Explain 'Rayleigh scattering'.
b) What are the different platforms used in remote sensing ?
7. a) How 'Photo Mosaic' is performed ?
b) State the method of measuring heights from airphotos.
8. a) What are the functions of NRSA ?
b) How satellite products are used in geographical analyses ?
9. a) Why geometric correction is needed ?
b) What is meant by 'Band Ratioing' ?
10. a) Bring out the use of satellite technology in regional planning.
b) What are the elements of airphoto interpretation ?

SECTION – C

Answer **any three** questions. **Each** question carries **10** marks. **(3×10=30 Marks)**

11. Discuss the atmospheric interactions with the electromagnetic radiation.
 12. Compare maps and aerial photographs and bring out their uses in geographical studies.
 13. Trace the development of remote sensing in India.
 14. Illustrate Linear contrast stretch.
 15. Explain the application of remote sensing for urban planning.
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