

M.A. Semester-III Examination, 2014

Geography

Paper - XVI

(Remote Sensing & Image Interpretation)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer **three** questions, selecting **one** from each Unit.

Unit - I

(Basic Concepts of Remote Sensing)

1. What do you understand by the term 'Remote Sensing'? Discuss the stages involved in it. 4+10=14
2. Discuss the concept of 'Atmospheric Windows' in Remote Sensing? Explain the spectral reflectance characteristics of five (5) major cover types on earth surface, with suitable examples and sketches. 6+8=14

Unit - II

(Basics in Aerial Photography)

3. Enumerate the different methods of photo-scale determination. Explain the overlaps in aerial photography with suitable sketches. 7+6=13
4. What is Aerial photography? Discuss the basic information and specification in Aerial Photography. Explain the basic differences between aerial photography and satellite images. 2+7+4=13

Unit - III

(Image Interpretation and Applications)

5. Define image interpretation. Highlight the differences between visual and digital interpretation procedure. Write briefly about the steps in digital image interpretation procedure. 3+4+6=13
 6. Define landuse/landcover. Explain with suitable examples about the landuse/landcover mapping levels using low, medium and high resolution RS data. 3+10=13
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