P G Even Semester Exam, 2023

GEOGRAPHY

4th Semester

COURSE NO. GEOGCC-401

[Advance Remote Sensing]

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer five questions, taking one from each Unit

UNIT-I

1. Enlist the visual interpretation keys of aerial Photographs with suitable examples. 14

2. a. Define Relief displacement. 7
   b. Discuss the advantages of vertical and oblique photographs. 7

UNIT-II

3. a. Enlist and explain the remote sensing resolutions with suitable examples. 7
   b. Define spectral signature and platforms. 7

Turn over

4. Write any fourteen Indian satellites names and their importance. 14

UNIT-III

5. a. Enlist the characteristics of Thermal Images. 7
   b. Write about the Across-Track scanner. 7

6. a. What are the advantages of thermal imageries? 7
   b. Explain the different applications of Digital Elevation Model? 7

UNIT-IV

7. a. Write the advantages of Digital Image Processing. 7
   b. List the components of an image processing system and explain. 7

8. Explain the unsupervised and supervised satellite image classification system. 7+7=14

UNIT-V

9. a. Define NAVSTAR, GLONASS, GLLILEO and COMPASS. 7
   b. What are the sources of errors in the GPS signals? 7

10. a. How is the GPS used for different application? 7
    b. Applications of IRNSS. 7

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