

**A-0928**

Total Pages : 3

Roll No. ....

**ENSE-656/EVS-607**

**M.Sc. (Environmental Science) (MSCES)**

**RS, GIS and GPS : Basic and Applications**

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

*Note :-* This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**(Long Answer Type Questions) (2×19=38)**

*Note :-* Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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( 1 )

P.T.O.

1. What is photogrammetry ? Discuss various techniques and application of Photogrammetry.
2. Describe different ways of GIS Database creation. Explain the processes of raster and vector data editing.
3. What do you understand by Human settlements planning ? Differentiate between urban and rural planning in India.
4. Explain in detail about the applications of Remote Sensing and GIS in forest resource management.
5. Differentiate between Visual Image Interpretation and Digital Image Interpretation.

### **Section–B**

**(Short Answer Type Questions) (4×8=32)**

**Note :-** Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Discuss in detail about application of remote sensing in wildlife mapping.
2. Discuss general type of GIS models in detail.

3. Concept of biodiversity measurement and monitoring.  
Explain.
4. Explain image interpretation for ground water study.
5. Briefly discuss applications of watershed modelling.
6. Discuss various concept and principles of Disaster Management.
7. Explain advantages of aerial Photography.
8. How settlements are classified ? Explain in detail.

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