

A-1028

Total Pages : 3

Roll No.

ENSE-656/EVS-607

M.Sc. ENVIRONMENTAL SCIENCE (MSCES)

(RS, GIS and GPS : Basic and Applications)

3rd/4th Semester Examination, Session December 2024

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.

1. Describe in detail the definition and techniques of photogrammetry.
2. Write an article on the history and basic concept of aerial photography.
3. Write an essay on remote sensing and its benefits.
4. Describe in detail about the historical development of remote sensing platforms and sensors.
5. How do remote sensing (RS) and geographic information systems (GIS) play an important role in the measurement and monitoring of biodiversity ?

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. Write a short note on the classification of human settlements.
2. What are the different remote sensing (RS) and geographical information system (GIS) techniques for groundwater studies ?

3. Describe in briefly about the formats of GIS data and input in GIS.
4. Write short notes on the following :
 - (a) Electromagnetic Spectrum.
 - (b) Application of Remote Sensing
5. Describe the types of GIS model in detail.
6. Explain the application of geo-spatial technology in disaster management.
7. Write short notes on the following :
 - (a) Aerial Videography
 - (b) Advantages of photogrammetry.
8. Write a short notes on the following :
 - (a) Application of Remote Sensing (RS) in wildlife mapping
 - (b) Method of GIS data corrections
