



M.Sc. IV Semester Degree Examination, October - 2023

APPLIED GEOLOGY

Advanced Geoinformatics

(CBCS/NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions, each question carries **equal** marks.

1. Explain the following : **14**
 - (a) Types of resolutions with examples
 - (b) HRS devices and instruments.
2. Add a note on : **14**
 - (a) Temporal characteristics of the vegetation
 - (b) Crop diseases and assessment in SRS.
3. Answer the following : **14**
 - (a) Remote sensing of soils
 - (b) Remote sensing of lithology
4. Discuss the following : **14**
 - (a) Remote sensing in urban and infrastructure planning
 - (b) Remote sensing in land use and land cover classification.
5. Write a note on : **14**
 - (a) RS-GIS applications of groundwater exploration
 - (b) RS-GIS applications of mineral investigation
6. Explain the following : **14**
 - (a) Advantages and disadvantages of HRS
 - (b) Spectral characteristics of vegetation.
7. Discuss the following : **14**
 - (a) RS-GIS applications of rocks and minerals
 - (b) RS-GIS applications in mining.
8. Write a short note on : **14**
 - (a) NDVI
 - (b) Advance crop monitoring in SRS.
 - (c) RS application in geoscience

