



M.Sc. I Semester Degree Examination, April/May - 2024

APPLIED GEOLOGY

Geoinformatics

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question No. 1 (Q1) **compulsory**, each question carries **equal** marks.

1. Answer the following : 14
 - (a) Discuss the applications of EMR/EMS.
 - (b) Explain the role of Indian Remote Sensing (IRS) satellites.
2. Add a note on : 14
 - (a) Sun synchronous satellites
 - (b) Passive sensors system
3. Answer the following : 14
 - (a) Discuss the remote sensing platforms
 - (b) Describe the types of resolutions
4. Answer the following : 14
 - (a) Describe the raster and vector data models
 - (b) Explain the spatial data and non-spatial data in GIS
5. Give a detailed account on applications of remote sensing, GIS and GNSS. 14
6. Answer the following : 14
 - (a) What is GNSS ? How it works ?
 - (b) Discuss the limitations of the GNSS technology.
7. Discuss the merits and demerits of remote sensing, GIS and GNSS. 14
8. Write a short note on : 14
 - (a) Stages of Remote Sensing
 - (b) GNSS segments
 - (c) Components of GIS

