

Subject-Geology

Semester-vi

Paper-CC-XIV

• **Long Type Questions**

- I. Write the application of aerial photo interpretation in mineral exploration.
- II. Write the application of photo interpretation in groundwater studies.
- III. Discuss the application of aerial photo interpreters on in lithology of an area.
- IV. Discuss the application of remote sensing in groundwater studies.
- V. Write the application of remote sensing in mineral exploration.
- VI. Discuss different types of satellites and their orbits.
- VII. Discuss the basics of GPS and application of GPS.
- VIII. Discuss the basic principle of GIS and application of GIS in different fields.
- IX. Describe in brief the basic recruitment, methods and proper procedure for carrying out geological mapping of a region.
- X. Write down some field indicator of minerals, rock and structure.
- XI. Give a broad outline various petrographical field features of rocks.
- XII. Give a broad outline of various structural field features of rock.

❖ **Short note**

- I. Write down some structural guides in mineral exploration.
- II. Discussed the application of aerial photo interpretation in petroleum exploration.
- III. Spectral signature of water.
- IV. Write some surface indicators of main mineral deposits.
- V. Write short note on components of GPS.
- VI. Write short note on application of GIS.
- VII. Discuss about data types.
- VIII. Write the various equipment required for doing geological field work and their uses.
- IX. Symbol used in geological mapping.
- X. Briefly describe about geological report.