



AF-3594

M.Sc. (Final)
Term End Examination, 2017-18

GEOLOGY

Paper - IV

Advance Remote Sensing in Geology

Time : Three Hours] [Maximum Marks : 100
[Minimum Pass Marks : 36

Note : Answer **all** questions. All questions carry equal marks.

Unit-I

1. Throw light in detail on Aerial photo interpretation techniques.

OR

Write notes on the following :

- (a) Types of Photographs
- (b) Stereoscopy

(2)

Unit-II

2. Describe in detail about the various Indian Remote Sensing Satellites.

OR

Comment in brief on the following :

(a) Electromagnetic energy
(b) Remote Sensing Techniques in Geoscience

Unit-III

3. Comment in detail on rocktype discrimination of different climatic conditions.

OR

Write notes on the following :

(a) Photo interpretation of Glacial features
(b) Photo interpretation of Eolian landforms

Unit-IV

4. Discuss in detail about soils and relationship of rocktypes and geomorphology to various soil types.

OR

Comment in short on the following :

(a) Soil creep
(b) Site selection of tunnels

(3)

Unit-V

5. Throw light in detail on application of Geomorphic Information System (GIS) in Geology.

OR

Comment in brief on the following :

(a) Digital Elevation Model (DEM)
(b) Relationship of vegetation to rocktypes
