

TKN/KS/16–5923

## Sixth Semester B. Sc. Examination

### GEOLOGY

#### Paper–I

#### (Elements of Remote Sensing and Environmental Geology)

Time : Three Hours ]

[ Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.  
(2) Draw neat sketches wherever necessary.

1. (A) What is Remote Sensing ? Describe its types and scope.

**OR**

Give an account of the following :—

- (B) Pocket stereoscope.  
(C) Mirror stereoscope.
2. Describe various recognition elements used in the study of aerial photographs.

**OR**

Describe various guidelines for lithological interpretation of aerial photographs.

3. Describe the impact of following Hazards on environment  
(A) Coastal erosion.  
(B) Floods.

**OR**

What are soils ? Give brief account of various types of soils.

4. Discuss the environmental factors considered in the site selection of tunnel.

**OR**

What is pollution ? Give an account of water and air pollution and anti – pollutional measures.

5. Write on the following in not more than two sentences (solve any **ten**) :—

- (A) Drift.  
(B) Side Lap.  
(C) Electromagnetic spectrum.  
(D) Name any two photographic expressions of fold.  
(E) Name any two photographic signatures of dyke.  
(F) Geomorphic interpretation of Mesa.  
(G) Seismograph.  
(H) Black Soil.  
(I) Desertification.  
(J) Natural ecosystem.  
(K) Reservoir.  
(L) Tunnel.