

**NKT/KS/17/5210**

**Bachelor of Science (B.Sc.) Semester—VI (C.B.S.) Examination**  
**ELEMENTS OF REMOTE SENSING AND ENVIRONMENTAL GEOLOGY**

**Paper—1**  
**Geology**

Time : Three Hours]

[Maximum 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 applications in various fields.

**OR**

- (B) Describe with neat sketches different types of aerial photographs.

2. (A) Describe various guidelines for structural interpretation of aerial photographs.

**OR**

- (B) Describe various guidelines for lithologic and geomorphic interpretation of aerial photos.

3. (A) What is Soil ? Describe various soil types.

**OR**

- (B) Give an account of coastal erosion and desertification and their impact on environment.

4. (A) Give an account of Hydrosphere and Biosphere.

**OR**

- (B) Discuss environmental considerations in the site selection of a tunnel.

5. Write on the following in not more than **TWO** sentences each (Solve any **TEN**) :—

- (A) FCC.

- (B) Drift and Crab.

- (C) Fiducial Markets.
- (D) Tone.
- (E) Texture.
- (F) Pattern of aerial photograph.
- (G) Definition of environmental geology.
- (H) Soil Pollution.
- (I) Define earthquake.
- (J) Troposphere.
- (K) Anti-pollution measures.
- (L) Ecosystem.