

NKT/KS/17/5211

**Bachelor of Science (B.Sc.) Semester-VI (C.B.S.) Examination  
ELEMENTARY HYDROGEOLOGY AND GEOMORPHOLOGY**

**Paper—2  
(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. Describe zonal distribution of ground water with a neat sketch.

**OR**

Give an account of Hydrologic cycle and springs.

2. Describe hydrologic characters of granites, basalts, gravels and schists.

**OR**

Give an account of Aquifers and their classification.

3. (A) “Present is the key to the past” elaborate with examples.

**OR**

(B) Describe any four drainage patterns with neat sketches.

4. (A) What is karst topography ? Describe in detail various karst topographic features.

**OR**

(B) Describe topography developed over faulted region.

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

- (A) Precipitation
- (B) Influent seepages
- (C) Cone of depression
- (D) Porosity
- (E) Permeability
- (F) Aquifuse
- (G) Mass wasting
- (H) Cuesta
- (I) Exhumed land forms.
- (J) Anticlinal Valley
- (K) Synclinal Hill
- (L) Homoclinal Valley.

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