

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

Paper—2
(Geology)

Time : Three Hours]

[Maximum Marks : 50

Note :—(1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Give an account of zone of aeration and zone of saturation.

OR

Give an account of springs and add a note on Influent and Effluent seepages.

2. Give an account of Porosity and Permeability.

OR

Describe various hydrologic characters of Igneous and Metamorphic rocks.

3. (A) “Geologic structure is a dominant control factor in the evolution of land forms and is reflected in them.” Elaborate with examples.

OR

(B) Give an account of the following :—

(i) Mackin’s concept of graded stream.

(ii) Trellis drainage Pattern.

4. (A) Describe various land forms observed in Karst region.

OR

(B) Give an account of topography developed over folded structures.

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

(A) Run off

(B) Draw down

(C) Evapotranspiration

(D) Aquiclude

(E) Aquitard

(F) Name any two Groundwater provinces of India

(G) Define geomorphology

(H) Solifluction

(I) Annular drainage pattern

(J) Fault line scarp

(K) Applied Geomorphology

(L) Resequent rift block Mountain.