

B.Sc. (with Credits)-Regular-Semester 2012 Sem VI  
**B.Sc.4525-Geology : Paper-II : Elementary Hydrogeology and Environmental  
Geology**

P. Pages : 2

Time : Three Hours



**GUG/W/16/5642**

Max. Marks : 50

- 
- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw neat sketches wherever necessary.

1. Describe the Zones of aeration and Saturation.

**OR**

Describe the Ground water provinces of India

2. Describe earthquakes and their impacts on environment.

**OR**

What is Pollution? What are its effect on natural ecosystem?

3. Write short notes on the following.

- a) Cone of depression.
- b) Porosity.
- c) Floods as a natural Hazard.
- d) Hydrosphere.

**OR**

Describe the following.

- e) Hydrologic cycle.
- f) Aquitard.
- g) Soil Erosion by running water.
- h) Biosphere.

4. Describe the following.

- a) Influent see page.
- b) Confined Aquifers.
- c) Impact of desertification on Environment.

d) Antipollution Measures.

**OR**

Describe the following.

e) Scope of Hydrology.

f) Watershed.

g) Soil Pollution.

h) Environmental consideration of tunnel alignment.

**5.** Write on the following in not more than two sentences **any ten** only.

a) Runoff.

b) Evaporation.

c) Atmospheric Precipitation.

d) Hydrogeological properties of Limestones.

e) Aquifuge.

f) Hydrogeological properties of Basalt.

g) Black cotton soil.

h) Environmental Geology.

i) Tsunami.

j) Lithosphere.

k) Ozonosphere.

l) Definition of Reservoirs.

\*\*\*\*\*