

B.Sc. Sem-VI
B.Sc. 4525 - Geology Paper-II
(Elementary Hydrogeology and Environmental Geology)

P. Pages : 1

GUG/S/19/1350

Time : Three Hours



Max. Marks : 50

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

1. What are springs? Enumerate various conditions which are necessary for the formation of springs and add a note on types of springs.

OR

Give an account of Hydrologic characters of sedimentary rocks.

2. Give an account of impact on floods, earthquakes and landslides on environment.

OR

Give an account of environmental considerations in site selection of reservoirs.

3. Describe the following:-

- | | |
|---------------------|-------------------------------------|
| a) Zone of aeration | b) Ground water provinces of India. |
| c) Coastal erosion. | d) Ecosystem |

OR

Describe the following:-

- | | |
|-----------------------|---------------|
| e) Zone of saturation | f) Porosity |
| g) Desertification | h) Atmosphere |

4. Write brief notes on the following:-

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|------------------------|---------------------|
| a) Cone of depression. | b) Confined aquifer |
| c) Soil erosion. | d) Hydrosphere |

OR

Write brief notes on the following:-

- | | |
|---------------------|-----------------------|
| e) Hydrologic cycle | f) Unconfined aquifer |
| g) Types of soil | h) Biosphere |

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

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|--------------------------|--------------------|
| a) Evapotranspiration | b) Draw down |
| c) Run off | d) Aquitard |
| e) Permeability | f) Watershed |
| g) Environmental geology | h) Volcanic hazard |
| i) Soil pollution | j) Lithosphere |
| k) Adit | l) Tunnel |
