

**BA / B.SC. GEOGRAPHY
FIRST SEMESTER
HYDROLOGY & SOIL STUDIES
BGE - 102**

**SET
A**

[USE OMR FOR OBJECTIVE PART]

Duration: 1.30 hrs.

Full Marks: 35

Time: 15 min.

(Objective)

Marks: 10

Choose the correct answer from the following:

1X10=10

1. The science which deals with occurrence, distribution and circulation of water is called_____.
a. Hydrography
b. Hydrometry
c. Hydrology
d. hydraulics
2. The word *hydrology* is derived from_____.
a. Greek
b. Roman
c. France
d. Arabic
3. IMD is the abbreviation for-
a. Indian Mineral Deposit
b. Indian Meteorological Department
c. International Monetary Debt
d. Indian Mining Department
4. The evaporation through plants and from the surrounding soil together is called
a. Hydration
b. Vapourisation
c. Transpiration
d. Evapotranspiration
5. Direct runoff is the sum of-
a. The surface runoff and the base flow
b. The base flow and groundwater runoff
c. The delayed subsurface runoff
d. The surface runoff and the prompt subsurface runoff
6. Which horizon is known as top soil?
a. Horizon C
b. Horizon A
c. Horizon B
d. Horizon D
7. Which soil is said to be the most productive soil in India?
a. Red soil
b. Acidic soil
c. Alluvial soil
d. Regur soil
8. Which factor influences soil formation?
a. Climate
b. Parent Rock
c. Vegetation
d. All of the these
9. Soil erosion can be checked by
a. Excess grazing
b. Removal of plants
c. Afforestation
d. Increasing number of animals

10. The desert soil is found in which state

a. Himachal Pradesh

c. Uttarakhand

b. Rajasthan

d. Madhya Pradesh

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(Descriptive)

Time : 1 hr. 15 min.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. Write a note on factors responsible for precipitation. 5

2. What is hydrological cycle? Discuss the importance of hydrological cycle. 3+7=10

3. What is surface runoff? Describe the factors affecting runoff. 2+8=10

4. What is soil? Briefly describe the major soil forming factors. 4+6=10

5. What are the uses of soil? Explain the major problems of soil. 5+5=10

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