

Bachelor of Science (B.Sc.) Semester—IV (C.B.S.) Examination
ENVIRONMENTAL SCIENCE
(Natural Resources and GIS)
Paper—II

Time : Three Hours]

[Maximum Marks : 50]

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

(2) Illustrate your answer with suitable examples and diagrams.

1. Define Geothermal Energy. Describe its processing and application with suitable example. 10

OR

(a) Explain the advantages and disadvantages of Nuclear energy. 5

(b) Illustrate the consumption pattern of mineral resources in India. 5

2. Describe the objectives of Rain-water harvesting. Explain the selection of sand media. 10

OR

(a) Mention the prevention method of desertification in India. 5

(b) Explain the hydrological characteristics of watershed. 5

3. Illustrate the causes, impacts, control measures and policies for damage of Tsunami. 10

OR

(a) How warning and evacuation helps during risk assessment ? 5

(b) What is the role and salient features of National Disaster Management Authority of India ? 5

4. Define Remote Sensing. Explain concept and application of remote sensing. 10

OR

(a) Explain the procedure of digitisation with suitable example. 5

(b) Give an account on Role of GIS in pollution monitoring. 5

5. Write in short on any **ten** :

(a) What DNES stands for ?

(b) Distinguish between Nuclear fission and fusion.

(c) What is the composition of CNG ?

(d) What are the impacts of quarrying on environment ?

(e) Write any two conservation methods of mineral resources.

(f) What are impounded reservoirs ?

(g) Write a note on El-Nino phenomenon.

(h) Name the instrument used for measuring the earthquake.

(i) What are the causes of volcanic activities ?

(j) State the application of microwave in field of remote sensing.

(k) What are the spectral characteristics of the earth feature in relation with soil ?

(l) How wetland loss is measured with the help of GIS ?

1×10=10