

**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. What is Solar Energy ? How it is converted into other forms of energy ? 10

**OR**

- (a) Write a brief account on MHD power generation. 5

- (b) Explain coal as conventional source of energy. 5

2. Discuss the process of rain water harvesting with its merits. 10

**OR**

- (a) What are the measures adopted for management of range land ? 5

- (b) Write environmental issues associated with Tehri Dam. 5

3. Discuss in detail the causes and impacts of flood in India. 10

**OR**

- (a) What are the ways to predict a disaster ? 5

- (b) Explain the role and salient features of National Disaster Management Authority of India. 5

4. What is GIS process system ? Describe its components. 10

**OR**

- (a) Explain the concept of remote sensing. 5

- (b) How remote sensing is developed in recent times ? 5

5. Write in brief any **TEN** :

- (a) Define a natural resource.

- (b) What is the meaning of geothermal energy ?

- (c) Distinguish between nuclear fission and fusion.

- (d) What is desertification ?

- (e) Mention any two measures for conservation of mineral resources.

- (f) What is watershed ?

- (g) What is snow avalanche ?

- (h) Define natural catastrophes.

- (i) What is cyclone ?

- (j) Define remote sensing.

- (k) What is the full form of EMR ?

- (l) Define GIS.

1×10=10