

B.Sc. (Part-II) (CBCS Pattern) Semester-III
USENV T06 - Environmental Science Paper-II - Natural Resources and GIS

P. Pages : 2

Time : Three Hours



GUG/W/24/11607

Max. Marks : 50

-
- Notes : 1. All questions are compulsory and carry equal marks
2. Illustrate the answers with suitable diagrams and examples.

1. Define natural resources. Discuss solar energy as a renewable energy resource. **10**

OR

a) Describe in brief energy conservation measures in domestic establishment. **5**

b) Explain biodiesel as a source of energy in future. **5**

2. Discuss in brief various sources of water supply. **10**

OR

a) How disinfection of water at household level can be done? **5**

b) Explain the role of bio-fertilizer in soil fertility. **5**

3. Define natural catastrophe. Explain geological disasters w.r.t. earthquake. **10**

OR

a) Write note on mega disasters of India. **5**

b) Define and describe the different sources of noise pollution. **5**

4. Define GIS and give its components. Explain the role of GIS in pollution monitoring. **10**

OR

a) Explain the use of micro-wave and LiDAR remote sensing. **5**

b) Write note on concept of remote sensing. **5**

5. Answer in brief **any ten**. **10**

a) Write the full form of KVIC.

b) Give any two examples of non-renewable energy resources.

- c) Define renewable energy resources.
- d) Define watershed management.
- e) Define rain water harvesting.
- f) What NWDB stands for.
- g) What is tsunami?
- h) State any two reasons for soil degradation.
- i) What is avalanche?
- j) What is digital image processing?
- k) Define aerial photogrammetry.
- l) Define cartography.
