

B.Sc. (Part-II) (CBCS Pattern) Semester - III  
**USENVT06 - Environmental Science Paper-II : Natural Resources and GIS**

P. Pages : 2

Time : Three Hours



GUG/S/23/11607

Max. Marks : 50

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- 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 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) Describe tsunami as geological disaster. 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 NGOs?
- h) Write about biological disaster.
- i) Mention effects of droughts.
- j) What GIS stands for?
- k) Define aerial photogrammetry.
- l) Define cartography.

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