Bachelor of Science (B.Sc. Part-II) Third Semester (Old Course)
B.Sc. 2392 - Environmental Science Paper-II (Natural Resources and GIS)

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

1.   What are renewable energy resources? Describe wind as a renewable sources of   **10**
      energy.

OR

      What is watershed management? Describe in detail the concept of watershed
      management.

2.   Describe tsunami as a natural catastrophe. Add a note on its effects on environment.   **10**

OR

      What is GIS & RS? Explain their role in Environmental management.

3. a) Explain how energy can be extracted from biomass.

    b) Explain man's water requirement for various porposes.

    c) What are the adverse effects of draught?

    d) What are the components of GIS?   **2½x4=10**

OR

    e) How energy is extracted from geothermal sources?

    f) State the causes of degeneration of freshwater resources.

    g) How disaster can be assessed?

    h) Explain spectral characteristic of vegetation and water of earth.   **2½x4=10**

4. a) Describe the method for production of bio-diesel.

    b) Explain aims and objectives of rain water harvesting.

    c) State the role and salient features of NDMA. of India.

    d) Explain how image restoration is carried out.   **2½x4=10**

OR

e) Describe impacts of non renewable energy on environment.

f) What are bio- fertilizers? State its role in soil fertility.

g) Write a note on disaster preparedness.

h) Discuss use of microwave for remote sensing. **2½x4=10**

5. Answer in 2-3 lines **any ten**. **10**

a) What is the full form of KVIC?

b) State the types of coal.

c) Which fuel is called as "fuel in future"?

d) Name the sources of water supply.

e) What is SEZ?

f) What are the objectives of NWDB?

g) What are the effects of cloud bursting?

h) State any two effects of avalanche.

i) Define risk assessment.

j) Which waves are used in remote sensing?

k) What is digital image processing?

l) What is EMR?

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