

M.Sc. - I (Environmental Science) (NEP Pattern) Semester-II
PMENVT07 - Paper-VII - Natural Resources : Conservation and Management

P. Pages : 1

Time : Three Hours



GUG/S/25/15382

Max. Marks : 80

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

1. Discuss mineral resources w. r. t. formation & its importance. **16**

OR

a) Explain classification of natural resources. **8**

b) Describe coal as a conventional energy resource. **8**

2. Explain applications of solar energy w.r.t. solar pump and solar cooker. **16**

OR

a) Describe principles of conversion of solar energy in heat. **8**

b) Explain solar furnace as solar energy application. **8**

3. Discuss basic principle of tidal energy. Briefly explain components of tidal power plant. **16**

OR

a) Explain method of Ocean Thermal Energy Conversion (OTEC). **8**

b) Describe advantages and disadvantages of tube turbine. **8**

4. Discuss mode of formation and energy conversion of geothermal energy. **16**

OR

a) Explain biogas generation process. **8**

b) Describe horizontal wind energy conversion system. **8**

5. a) Write impacts of overuse of fossil fuels on environment. **4**

b) Explain advantages and disadvantages of liquid air collector. **4**

c) Give disadvantages of tidal energy. **4**

d) Enlist impacts of geothermal energy on environment. **4**
