

B.Sc. Semester-VI Examination, 2022-23**ENVIRONMENTAL SCIENCE [Honours]**

Course ID : 61812 Course Code : SH/ENV/602/C-14

Course Title : Natural Resource Management & Sustainability

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I**1. Answer any **five** of the following questions:

1×5=5

- What is meant by dredging?
- Give example of two non-renewable sources.
- State two ecological importance of forests.
- What is the significance of passive solar heating system?
- Give examples of geothermal energy.
- State the importance of green technology.
- Give reasons for World food crisis.
- What do you mean by integrated resource management strategy?

*[Turn Over]***UNIT-II**2. Answer any **two** of the following questions:

5×2=10

- Write a short note on sustainable forestry. Mention its advantages. 4+1
- Discuss different economic approaches of resource utilization.
- Write the potential and benefits of hydropower development.
- Discuss in brief about Indian renewable energy programme.

UNIT-III3. Answer any **one** of the following questions:

10×1=10

- Take a detailed account on global consumption patterns of mineral resources. Add a note on techniques to increase mineral resource supplies. 6+4
- Write a detail note on energy from biomass. Discuss the potential cost and benefit analysis of nuclear power. 4+3+3