

U.G. 4th Semester Examination - 2021

Environmental Science

[HONOURS]

Course Code : ENVS-H-CC-L-09

(Natural Resource Management and Sustainability)

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** from the following: $1 \times 5 = 5$
- What is functionability of a resource?
 - Classify energy resources.
 - What do you mean by re-cycling of resources?
 - What are the factors that affect the development of a forest?
 - What are the benefits of hydropower development?
 - What is the difference between development and sustainable development?
 - What are the environmental problems caused by open pit mining?

2. Write short notes on any **one** of the following: $5 \times 1 = 5$
- Green technology: Principles and applications
 - Mineral resources: Occurrence and uses
 - Non-renewable resources: Present status and constraints
3. Answer any **one** of the following: $10 \times 1 = 10$
- Define non-conventional energy resources. What is OTEC (Ocean Thermal Energy Conversion) and how does it work? Discuss the future scope of OTEC to solve the energy crisis in the developing world. $2+4+4$
 - What is fishery? Give an account on the principles and practices of sustainable management of fisheries. $2+8$
 - What are the characteristic features of soil resources? What are the causes of soil degradation? What are the methods of soil conservation in India? $3+3+4$

[Turn Over]