

B.Sc. 6th Semester (Honours) Examination, 2021-22

ENVIRONMENTAL SCIENCE

Course ID: 61812

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

Course Title: Natural Resource Management & Sustainability

Time: 1 hr 15 min.

Full Marks: 25

The figures in the right hand side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any five questions from the followings: 1x5=5

- a) What is OTEC?
- b) Give example of two renewable sources.
- c) What do you mean by green revolution?
- d) Define sustainable environment.
- e) What is phantom pile?
- f) State two reasons of resource destruction.
- g) What is biodiesel?
- h) What do you understand by geothermal energy?

2. Answer any two questions from the followings: 5x2=10

- a) Write a short note on solar cells. Mention one of its advantage. 4+1
- b) Discuss how the global economy is related with the energy consumption.
- c) Mention the possible techniques to increase world food production.
- d) Discuss different constituents of sustainable development. What do you mean by Triple 'R'? 4+1

3. Answer any one question from the followings: 10x1=10

- a) Discuss in detail about social and economical dimensions of resource management. Make a comparative account of renewable and non-renewable energy sources. 7+3
- b) Write about future energy options and challenges. Write notes on application of green technology. 5 + 5