

B.Sc. 5th Semester (Honours) Examination, 2021

ENVIRONMENTAL SCIENCE

Course ID: 51816

Course Code: SH/ENV/503/DSE-1

Course Title: Energy and Environment

Time: 1 hr 15 min.

Full Marks: 25

The figures in the 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 following:** **1 × 5 = 5**
 - (a) Name one plant from which biofuels can be derived.
 - (b) Write the full form of OTEC.
 - (c) When and where Chernobyl nuclear accident was occurred?
 - (d) What are the Greenhouse gases?
 - (e) Give the definition of Energy.
 - (f) Name one element which is used as fuel in nuclear power plant.
 - (g) What are the Fossil fuel?
 - (h) What do you mean by Geo-thermal Energy?

- 2. Answer *any two* questions from the following:** **5 × 2 = 10**
 - (a) Write the uses of Solar Energy.
 - (b) What are the adverse impacts of construction of dam in a river?
 - (c) Describe “urban heat island effect”.
 - (d) How energy is used in industrial and transportation sector?

- 3. Answer *any one* question from the following:** **10 × 1 = 10**
 - (a) What do you mean by Kyoto protocol? Write the effects of global warming.
2+8=10
 - (b) Discuss briefly about the impact of over-consumption of energy. What are the advantages and disadvantages of wind energy?
5+(3+2)=10