

B.Sc. 2nd Semester (Honours) Examination, 2021-22

ENVIRONMENTAL SCIENCE

Course ID: 21811

Course Code: SH/ENV/201/C-3

Course Title: Water and Water Resources

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:

1 X 5= 5

- a) What do you mean by hydrological cycle?
- b) Define dissolve oxygen.
- c) What is chemical oxygen demand?
- d) Define biochemical oxygen demand?
- e) What is alkalinity?
- f) What do you mean by marine resources?
- g) What are multi- purpose river valley projects?
- h) In which year Indus water treaty formed?

2. Answer any two questions from the followings:

5 X 2= 10

- a) Write on classification of water resources (oceans, rivers, lakes and wetlands).
- b) Discuss on watershed and drainage basins. Explain the importance of watershed and watershed management. 2+3
- c) Write on water quality standards in India and hot spots of surface water.
- d) Explain National water policy. Discuss on water pollution (control and prevention) Act 1972. 2+3

3. Answer any one question from the followings:

10 X 1= 10

- a) Explain surface and ground water pollution. Discuss on techniques for ground water recharge. 4+6
- b) Give an account on ecological significance of wetlands. Explain threats to wetlands and wetland conservation and management. 4+6