

B.Sc. 4th Semester (Honours) Examination, 2021

ENVIRONMENTAL SCIENCE

Course ID: 41815

Course Code: SH/ENV/405/SEC-2

Course Title: Environment Impact and Risk Assessment

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 from the following questions:

1×5 = 5

- a) What is environmental impact assessment?
- b) What do you mean by environmental impact statement?
- c) What do you mean by risk assessment?
- d) What is environmental planning?
- e) Define Environmental audit.
- f) What do you mean by environmental impact management?
- g) What is hazard?
- h) What is social impact?

2. Answer any two from the following questions:

5×2 = 10

- a) What are the scopes of risk assessment? Give an account of toxicity assessment.

2 + 3
- b) What are the concepts of environmental impact assessment? Write on impact identification and prediction.

2 + 3
- c) What is the concept of cost –benefit analysis? Write on life cycle assessment.

1+ 4
- d) Write a short note on environmental impact assessment regulation in India.

3. Answer any one from the following questions:

10×1 = 10

- a) Write on the risk characterization and risk communication. Give an account of community involvement in risk assessment.

5 + 5
- b) Discuss on scope and methodologies of EIA. What is the importance Base line data collection?

5 + 5