

U.G. 5th Semester Examination - 2025

ENVIRONMENTAL SCIENCE

[MINOR]

Course Code : ENVS-MI-COURSE 3

(Occupational Health and Environmental Safety)

[NEP-2020]

Full Marks : 40

Time : 2 Hours

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 of the following: $2 \times 5 = 10$
- a) What are occupational hazards in brick kiln factories?
 - b) What is anticipation in occupational risk?
 - c) Define occupational dermatitis.
 - d) What are the occupational reasons for musculoskeletal disorders (MSDs)?
 - e) What are the objectives of industrial safety?
 - f) Define respiratory PPE with examples.
 - g) Write main objectives of the health surveillance.
 - h) What is meant by safety education?

[Turn over]

2. Answer any **two** of the following: $5 \times 2 = 10$
- a) Write down the causes and preventive measures of silicosis.
 - b) Mention the procedure for the assessment of safety measures adopted for the workers in dye industry.
 - c) Write briefly on the action programs for work related diseases at the national level.
 - d) Design a training programme for safety education.
3. Answer any **two** of the following: $10 \times 2 = 20$
- a) What is occupational injury? Write causes of injury and its remedial measures. $2 + (4 + 4) = 10$
 - b) Define safety audit. Write the importance of safety audits. State the process to perform a safety audit. $2 + 2 + 6 = 10$
 - c) What is meant by industrial accidents? Give an account on industrial accidents in India. $2 + 8 = 10$
 - d) What is non-respiratory personal protective devices? Write a note on non-respiratory personal protective devices to avoid occupational accidents. $2 + 8 = 10$