

POST-GRADUATE DEGREE PROGRAMME
Term End Examination — December, 2024
ENVIRONMENTAL SCIENCE (PGES)
Paper – ENVS CC204 : RISK & DISASTER MANAGEMENT
AND ENVIRONMENTAL SAFETY
(Under CBCS from January 2024 Enrolment Session)

Time : 2 hours

Full Marks : 50

Weightage of Marks : 80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

1. Answer any *five* of the following : 2 × 5 = 10
 - a) Define hazard. Briefly outline the types of hazard. 1 + 1
 - b) Briefly outline the disaster management cycle.
 - c) Explain the scopes of occupational health and safety.
 - d) Identify the differences between Prevention and Preparedness.
 - e) Write two differences between "Engineering with Nature" and "Conventional engineering solutions", with appropriate examples.
 - f) Explain the concept of ecosystem-based adaptation with appropriate example.
 - g) What do you understand by 'herd immunity' ?
 - h) Differentiate between hazard and disaster.

2. Answer any *four* of the following : 5 × 4 = 20
 - a)
 - i) Identify various PPEs.
 - ii) List three examples and outline their functions. 2 + 3
 - b)
 - i) Define public health emergency.
 - ii) Identify two examples and explain their global impacts. 1 + (2 × 2)
 - c)
 - i) Explain technological disaster.
 - ii) Discuss the impacts of three technological disasters. 2 + 3
 - d)
 - i) Explain the role of United Nations office for Disaster Risk Reduction (UNDRR).
 - ii) Briefly outline three key initiatives. 2 + 3

