

POST-GRADUATE DEGREE PROGRAMME

Term End Examination — December, 2024

ENVIRONMENTAL SCIENCE (PGES)

Paper : ENVS CC101 : FUNDAMENTALS OF ENVIRONMENTAL SCIENCE

(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 "environment".
 - b) Mention any two scopes of environmental science.
 - c) What do you mean by "green politics" ?
 - d) What are the two types of crusts found in the lithosphere ?
 - e) What are the biotic components of biosphere ?
 - f) Name any two types of rural settlement.
 - g) What is biodiversity loss ?
 - h) What is invasive alien species ?

2. Answer any *four* of the following : 5 × 4 = 20
 - a) Discuss few strategies to control desertification.
 - b) What are the various criteria for declaration of Ramsar sites ?
 - c) What are Prakiti and Shakti (Nature and Power) ?
 - d) What is Neo-determinism ?
 - e) Briefly discuss the Namami Gange Program.
 - f) Discuss the importance of environmental awareness.
 - g) What are the different fauna found in the Australian zoogeographic region ?
 - h) Describe the mechanism of formation of acid rain.

3. Answer any *two* of the following : 10 × 2 = 20
- a) State the benefits and values of wetland. 5 + 5
 - b) Elaborate the hydrological cycle with a proper diagram. 8 + 2
 - c) What is greenhouse effect ? What are the factors responsible for greenhouse effect ? 2 + 8
 - d) Discuss the importance of the various environmental movements of India.
-