

(6 pages)

S.No. 6472

P 22 ESE 3 A

(For candidates admitted from 2022–2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Environmental Science — Elective

ENVIRONMENTAL EDUCATION AND AWARENESS

Time : Three hours

Maximum : 75 marks

SECTION A — (20 marks)

Answer ALL questions.

I. (A) Multiple choice questions: (5 × 1 = 5)

1. Which category on the IUCN Red List signifies that a species is not currently threatened with extinction?

- (a) Critically Endangered
- (b) Vulnerable
- (c) Near Threatened
- (d) Least Concern

2. Learning is organized by educational institutions, but non-credential refers to which type of education?

- (a) Informal
- (b) Non-formal
- (c) School-based
- (d) Formal

3. In the context of environmental education, what does the term “ecological literacy” refer to?

- (a) The ability to memorize scientific facts about the environment
- (b) A deep understanding of the interconnectedness of natural systems and human actions
- (c) Knowing specific endangered species by name
- (d) A strong focus on urban environments, excluding rural and natural areas.

4. Which international organization is dedicated to monitoring and responding to environmental hazards and disasters worldwide?

- (a) UNICEF
- (b) WHO (World Health Organization)
- (c) FEMA (Federal Emergency Management Agency)
- (d) UNDRR (United Nations Office for Disaster Risk Reduction)

5. What does societal environmental awareness refer to?

- (a) The level of pollution in a society
- (b) Public understanding of environmental issues and concerns
- (c) Awareness about government policies on environmental protection
- (d) The amount of renewable energy used in a society

(B) Fill in the blanks: (5 × 1 = 5)

6. India celebrates National Education Day to commemorate the birth anniversary of _____

7. _____ based learning encourages students to explore environmental topics through discussions and group activities.

8. Environmental awareness fosters a deeper understanding of the _____ between human activities and the health of the planet.

9. A low-pressure area circled by _____ pressure is called a cyclone.

10. _____ can help bridge the gap between awareness and informed action in environmental conservation.

II. Answer ALL questions: (5 × 2 = 10)

11. List five major environmental activism movements.

12. Give an example of non-formal education.

13. List three factors that hinder environmental awareness for rural school children.

14. What is Chapman's cycle?

15. What is eco-friendly technology?

SECTION B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

16. (a) Write a short note on the importance and history of environmental education.

Or

(b) Explain the activities of WORLD-WILDLIFE FUND (WWF).

17. (a) Write a short note on non-formal environmental education methods.

Or

(b) Discuss guidelines for adults who get environmental education awareness.

18. (a) Evaluate environmental awareness among the rural schools.

Or

- (b) Enumerate the programs of environmental education for secondary school children.

19. (a) Describe about noise pollution and prescribe standards for pollution abatement.

Or

- (b) Explain the causes and consequences of Ozone layer depletion.

20. (a) Comment on forest conservation methods.

Or

- (b) Discuss about eco-friendly technologies.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. Enumerate and elaborate various environmental activism movements for the conservation of nature.

22. Comment on present environmental education methods in India.

23. Write an essay on recommended programs of environmental education among the students for their attitudinal change.

24. Enumerate the causes and effects of potentially hazardous pollutants in air and water.

25. Justify how environmental education leads to sustainable development.
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