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(May–June)

ENVIRONMENTAL STUDIES

(Common Paper)

Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

PART—A

(Short Answer–type Questions)

Answer the following questions : 1½×10=15

1. List any three effects of mining.

2. What are endemic species? Give one example of an endemic species.

3. What is eutrophication?

4. Define food web with example.

5. Define aquifers. Name its types.

6. Mention three measures for sustainable development.

7. What do you understand by greenhouse effect?

8. Briefly describe the relation between consumerism and waste generation.

9. Expand the following acronyms :

   SPM, IUCN, GIS

10. Give one example of each of the following :

    (a) A greenhouse gas

    (b) A biodiversity hotspot in India

    (c) A stationary source of noise pollution

PART—B

(Long Answer-type Questions)

Answer any *five* of the following questions : 4×5=20

11. Define environmental studies. Briefly explain the importance of environmental studies. 1+3=4

12. Briefly explain the impact of modern agriculture on the environment. 4

13. Differentiate between a grazing food chain and a detritus food chain. 4

14. Define biodiversity. Explain the levels of biodiversity. 1+3=4

15. Give two examples each of primary and secondary air pollutants. 2+2=4

16. Describe in brief two effects and two control measures of acid rain. 2+2=4

17. What is meant by population explosion? Briefly discuss the impacts of population growth on environment. 1+3=4

18. Write down the importance of value education. How can environmental education be made value-oriented? 2+2=4

PART—C

(Essay-type Questions)

Answer the following questions : 10×4=40

19. Differentiate between renewable and non-renewable resources with suitable examples. Discuss the role of individuals in conservation of natural resources. 4+6=10

Or

What are the major causes for conflicts over water? Discuss one international and one interstate water conflict. 2+4+4=10

20. What is nutrient cycling? Discuss the carbon cycle with diagrammatic representation. 2+8=10

Or

Discuss the major threats to biodiversity. Explain the methods of biodiversity conservation. 5+5=10

21. Discuss the major sources and effects of soil pollution. What measures can be taken to control soil pollution? 6+4=10

Or

Write short notes on the following : 5+5=10

(a) Global warming and its impacts

(b) Salient features of the Air (Prevention and Control of Pollution) Act

22. Answer any *one* of the following questions :

(a) Define disaster management. Discuss the disaster measurement measures in relation to floods and landslides. 2+4+4=10

(b) What are human rights? Discuss the salient features of the Draft Declaration of Human Rights and Environment. 2+8=10

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