

6/C-55 (Syllabus-2015)

2022

( 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 )

Answer *all* questions :  $1\frac{1}{2} \times 10 = 15$

1. What is marine pollution?
2. What is environmental studies?
3. Define desertification.
4. What is ecological succession?
5. Name three hot spots of biodiversity.

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6. Mention three sources of soil pollution.
7. What are human rights?
8. Mention three effects of population explosion.
9. Expand the acronyms :  
GHG, CFC, GIS
10. Give *one* example for each of the following :
  - (a) Endemic species of Meghalaya
  - (b) An aquatic ecosystem
  - (c) A rainwater harvesting technique

PART—B

( Long answer-type )

- Answer any *five* questions :  $4 \times 5 = 20$
11. Discuss the environmental effects of extraction of coal or any mineral. 4
  12. Differentiate between renewable and non-renewable sources of energy giving examples.  $2+2=4$
  13. What is a food chain and a food web? Give one example of each.  $2+2=4$

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( Continued )

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14. What is man-wildlife conflict? Give one example to support your claim.  $2+2=4$
15. Discuss a few issues involved in the enforcement of environmental legislations. 4
16. What is noise pollution? Mention three effects of noise pollution.  $1+3=4$
17. Describe the relationship between the rise in consumerism and its effect in the generation of wastes. 4
18. Discuss the role of information technology on human health. 4

PART—C

( Essay-type )

- Answer the following questions :  $10 \times 4 = 40$
19. Why should there be equitable use of resources for maintaining sustainable lifestyles? Discuss the role of individuals in the conservation of natural resources.  $4+6=10$

Or

What are pesticides? Discuss some of the harmful effects of application of pesticides in the environment.  $2+8=10$

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( Turn Over )

20. Describe the structure of an ecosystem. 10

Or

Differentiate between *in situ* and *ex situ* conservation of biodiversity. 5+5=10

21. Write on any *one* of the following : 10

- (a) Greenhouse effect and global warming
- (b) The Wildlife (Protection) Act, 1972
- (c) Sources of urban solid wastes and their management

22. Answer any *one* of the following questions : 10

- (a) Define sustainable development. Discuss the four pillars of sustainable development.
- (b) Discuss the problems and concerns of resettlement and rehabilitation of people affected by major projects.
- (c) Discuss the disaster management measures in relation to earthquakes.

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