

6/C-55 (Syllabus-2015)

2 0 2 3

(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 :

$1\frac{1}{2} \times 10 = 15$

1. Define environment.
2. What is soil erosion?
3. What is an ecosystem?
4. Mention three values of biodiversity.
5. What is acid rain?

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6. Mention three effects of noise pollution.
7. Define sustainable development.
8. Mention three issues of environmental ethics.
9. Expand the following acronyms :
DDT, CITES, WHO
10. Give one example for each of the following :
 - (a) A mineral resource
 - (b) A non-renewable energy source
 - (c) A hotspot of biodiversity

PART—B

(Long Answer-type Questions)

Answer any *five* of the following questions : $4 \times 5 = 20$

11. What is wasteland reclamation? Give two examples. $2+2=4$
12. Differentiate between Water Conservation and Watershed Management. $2+2=4$
13. Describe the three levels of biodiversity, giving an example of each. 4

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(Continued)

(3)

14. What are endangered and endemic species? Give an example of each. $3+1=4$
15. What is air pollution? Mention three effects of air pollution. $1+3=4$
16. Discuss the role of an individual in prevention of pollution. 4
17. What is population explosion? Mention a few measures undertaken to control population explosion. $1+3=4$
18. Discuss the role of value education in our society. 4

PART—C

(Essay-type Questions)

Answer the following questions : $10 \times 4 = 40$

19. Define Environmental Studies. Discuss the multidisciplinary nature of environmental studies. $1+9=10$

Or

What is deforestation? Describe the causes and effects of deforestation on the environment. $1+(4+5)=10$

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(Turn Over)

(4)

20. With the help of a suitable diagram, describe the carbon cycle. 4+6=10

Or

Explain the processes and stages of ecological succession. 10

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

(a) Ozone layer depletion—causes, effects and control

(b) Solid waste management

(c) The Water (Prevention and Control of Pollution) Act, 1974

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

(a) Describe the role of information technology in environment and human health.

(b) Explain, in brief, the relief measures undertaken in the event of an earthquake or landslides.

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