

**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 : 1½×10=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 )

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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