

**6/C-55 (Syllabus-2015)**

**2 0 1 8**

**( April )**

**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 Ecomark?
2. What is *in situ* conservation?
3. What do you mean by genetic diversity?
4. What are biogeochemical cycles?
5. What do you mean by eutrophication?



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6. What do you mean by consumptive value of biodiversity?
7. What are primary and secondary air pollutants?
8. Define radioactivity.
9. What is sustainable development?
10. What is meant by 'population explosion'?

PART—B

( Long answer-type )

Answer all questions :  $4 \times 5 = 20$

11. What is an aquifer? Discuss its types.  $1+3=4$
12. What do you mean by—
  - (a) thermocline;
  - (b) oligotrophic lakes?  $2+2=4$
13. Write a note on Chernobyl nuclear disaster. 4

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( Continued )

( 3 )

14. Write short notes on the following :  $2+2=4$ 
  - (a) Sanitary landfill
  - (b) Composting
15. What is the difference between pyramid-shaped and bell-shaped age structure? 4

PART—C

( Essay type )

Answer any four questions :  $10 \times 4 = 40$

16. Discuss, with the help of a case study, how big dams have affected forests and tribals. 10
17. What are the major causes for conflicts over water? Discuss one international and one inter-State conflict over water.  $4+6=10$
18. Explain, with the help of a diagram, the nitrogen cycle and carbon cycle.  $5+5=10$
19. What is ecological succession? Discuss its different stages.  $2+8=10$

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( Turn Over )



- 20.** Discuss the salient features of the—
- (a) Wildlife (Protection) Act, 1972;
  - (b) Forest (Conservation) Act, 1980. 5+5=10
- 21.** What is watershed management? Discuss the methods to be adopted for reclamation of a degraded watershed. 2+8=10

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