

DECEMBER 2015

P/ID 40226/PBTF

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions each in 50 words.

Write short notes:

1. Synecology
2. Ecological pyramids
3. Genetic diversity
4. Troposphere
5. Food web
6. Humification
7. Eutropication
8. DDT
9. Camouflage
10. Key stone species

PART B — (5 × 6 = 30 marks)

Answer ALL questions each in 250 words.

11. (a) Describe the structure of Ecosystem.
Or
(b) Explain diversity indices.
12. (a) Briefly describe the Y model of energy flow in an ecosystem.
Or
(b) Describe the concept of productivity in an aquatic ecosystem.
13. (a) Describe the climax plant community.
Or
(b) Write notes on alpine biomes.
14. (a) Briefly mention wind brakes.
Or
(b) Describe the impacts on water pollution.
15. (a) Briefly mention patterns of rank selections.
Or
(b) Describe the laws of Indian forest conservation Act (1980).

PART C — (5 × 10 = 50 marks)

Answer ALL questions each in 500 words.

16. (a) Write an essay on synthetic characters of plant community.

Or

- (b) Give an account terrestrial biomes.

17. (a) Describe in detail on classification of soils.

Or

- (b) Give an account on wet land ecosystems.

18. (a) Write an essay on population characteristics.

Or

- (b) Discuss — noise pollution and its control.

19. (a) Give an account on Carbon cycling and its importance.

Or

- (b) Write a detailed account on wild life and biosphere reserve conservations.

20. (a) Explain in detail on Intellectual property right and protection.

Or

- (b) Give an account on theory of gene banking preservation.
-