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Reg. No. : .....

Name : .....

First Semester M.Sc. Degree Examination, May 2023

Environmental Sciences

ES 211 : ENVIRONMENTAL BIOLOGY AND ECOSYSTEM DYNAMICS

(2018 Admission Onwards)

Time : 3 Hours Max. Marks : 75

SECTION – A

I. Answer **any ten** of the following.

1. What is edge effect?
2. Define primary consumer. Give two examples.
3. Liebig's law of the minimum.
4. Mutualism
5. Antagonism
6. Lentic ecosystems
7. Demographic transition
8. Antibiosis
9. Taiga biome
10. Population Density
11. Zero Population Growth
12. The rock cycle

(10 × 2 = 20 Marks)

P.T.O.

SECTION – B

II. Answer **any five** of the following.

13. What is a sedimentary cycle? Give one example.

14. State the Lotka-Volterra equations. Why it is important?

15. Explain polyclimax theory.

16. Write short notes on ecoinformatics.

17. Briefly describe ecological niche.

18. What is the difference between primary and secondary succession?

19. Explain oxygen cycle.

(5 × 5 = 25 Marks)

SECTION – C

III. Answer **any three** of the following.

20. Explain nitrogen cycle with diagram.

21. Write an essay on symbiosis and its types.

22. Write an essay on Deserts biome and its importance.

23. Explain different types of wetlands, their characteristics and benefits.

(3 × 10 = 30 Marks)
