B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.Sc Botany Model II Environmental Monitoring And Management

Vocational Course - BO1VOT01 - ENVIRONMENTAL BIOLOGY PART - I

2017 Admission Onwards

D0EF97A8

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Which are the fundamental ecological variables?

2. What is an ecosystem?

3. What are biomes?

4. What are the adaptations of coniferous trees?

5. What are cold deserts?

6. What are Wetlands?

7. Define Detritivores.

8. What is a biomass?

9. What are ecological foot prints?

10. Distinguish between Paleo-endemic species and Neo-endemics.

11. What are Keystone species?

12. What is Plant-Pollinator relationship?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the zonation of pond.

14. Write a short note on grassland adaptations.

15. Explain the thermal stratification of marine ecosystem.

16. Coral reefs are the most diverse ecosystem on the planet.Explain.

17. Write a note on the food chain in a grassland ecosystem.

18. Describe the concept of Productivity.

19. Write a brief account on the significance of biodiversity.

20. Write notes on the measures of biodiversity.

21. What are the values of biodiversity?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the composition and structure of an ecosystem.

23. Explain the different sedementary cycles studied by you with schematic diagram.

24. What is biodiversity. Explain its type and importance.

25. Describe the causes and consequences of Biodiversity depletion.

(2×15=30)