

**THIRD SEMESTER INTEGRATED P.G. DEGREE REGULAR EXAMINATION
NOVEMBER 2021 (FOR 2020 ADMISSIONS) AND NOVEMBER 2022
(FOR 2021 ADMISSIONS)**

M.Sc. Psychology

A 11-BIO DIVERSITY – SCOPE AND RELEVANCE

Time : Two Hours and a Half

Maximum : 80 Marks

Section A

*All questions can be attended.
Each question carries 2 marks.
Overall ceiling 25.*

1. What is a hot spot ?
2. Write a note on biodiversity.
3. Define biodiversity conservation.
4. What is a threatened species ?
5. Write a note on seed bank.
6. What is IUCN ?
7. Define genetic diversity.
8. What is red data book ?
9. Name any one national park in India and the category of organism which are protected.
10. What is ecosystem diversity ?
11. Write about biodiversity inventory.
12. What is a gene bank ?
13. What is a culture collection ?
14. Write a note on botanical garden.
15. What is remote sensing ?

(Ceiling 25)

Turn over

Section B

*All questions can be attended.
Each question carries 5 marks.
Overall ceiling 35.*

16. Differentiate *in situ* and *ex situ* conservation with suitable examples.
17. "India is a mega diversity nation". Explain.
18. Explain the processes responsible for species extinction.
19. Describe the methods used for biodiversity monitoring.
20. Write a note on the impact of climate change on biodiversity.
21. Give an outline on the magnitude of microbial diversity.
22. Explain the ethical and aesthetic values of biodiversity.
23. Describe briefly the various hot spots in India.

(Ceiling 35)

Section C

*Answer any two questions.
Each question carries 10 marks.*

24. Write an essay on direct and indirect economic benefits of biodiversity.
25. Explain the importance of bio-prospecting of micro-organisms and plants with reference to the products you have studied.
26. Write an account on various *in situ* conservation strategies.
27. Explain various methods of biodiversity monitoring and their limitations.

(2 × 10 = 20 marks)