

S.No. 15332

MBEBI 3

(For candidates admitted from 2008–2015 Batch)

B.Sc. DEGREE EXAMINATION **APRIL-2022**

Part III — Biotechnology — Major Based Elective

BIODIVERSITY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL the questions.

Define/Explain :

1. Species
2. Gene pool
3. Habitat preference
4. IUCN
5. Ecotourism
6. Vulnerable species
7. Ethical values of biodiversity
8. CBD
9. Afforestation
10. Germplasm

PART B — (5 × 5 = 25)

Answer ALL the questions, choosing either (a) or (b).

11. (a) Write about population diversity.

Or

- (b) Explain in details about species richness.

12. (a) Explain Species extinction.

Or

- (b) List out the causes of biodiversity loss.

13. (a) Describe the Psycho spiritual values of biodiversity.

Or

- (b) Comment on uses of bioresources.

14. (a) Describe the role of WWF in biodiversity conservation.

Or

- (b) Give an account on traditional knowledge.

15. (a) Describe the method of tissue culture.

Or

- (b) List out the merits and demerits of *In situ* conservation.

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Explain in detail about wild life biology.

17. Write an essay on Red data books.

18. Give a detailed account on methods of valuing biodiversity.

19. Discuss in detail on bio-prospecting.

20. Why do we conserve biodiversity?