

26015

5 YEAR M.Sc. INTEGRATED DEGREE EXAMINATION, MARCH/APRIL 2019.

SECOND SEMESTER

Biotechnology and Bioinformatics

Paper V — BIODIVERSITY AND ECOLOGICAL PRINCIPLES

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Definition of biodiversity
2. Hot spots
3. Biodiversity at global levels
4. Common parasites of humans
5. Habitat loss
6. Biodiversity act.
7. Ecological succession
8. Energy flow in ecosystem

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Define biodiversity. Explain various levels of biodiversity.

Or

10. Write a note on :
 - (a) Megadiversity zone
 - (b) Distribution of biodiversity.

11. Explain the major habitat types of the subcontinent.

Or

12. Write about migration of birds.

13. Describe various forms of threats to biodiversity.

Or

14. Discuss different strategies of biodiversity conservation.

15. Give an account of Ecological succession.

Or

16. Write a note on :

(a) Terrestrial ecosystem

(b) Aquatic ecosystem.

