



15/12/23

**School of Biological Sciences
Doon University
Dehradun, Uttarakhand
Question Paper: Make-up Examination
Session: July 2023 – Dec 2023**

B.Sc. Biological Sciences (First Semester)

Course: Biodiversity

Course Code: BSC103

Total Marks: 30

Maximum Time: 2:00 Hrs

PART I Give answers to any six questions:

(Marks: 1 × 6 = 6)

1. What is taxonomy?
2. GIS stands for.....
3. Write the name of different taxonomic ranks in their hierarchical order.
4. What are the cryptogams and phanerogams?
5. What is lentic and lotic?
6. Variety of life on earth is defines as.....
7. Write the name of four products produced by microorganisms.

PART II Give answers to any four questions:

(Marks: 3 × 4 = 12)

8. Write short note on any two of the following
(i) Species biodiversity (ii) Genetic biodiversity (iii) National parks (iv) Biodiversity Hotspot
9. What are the different classification system?
10. Describe the relation of biodiversity and ecosystem functioning.
11. What are the advantages and disadvantages of Remote sensing?
12. What are sacred groves? Describe the sacred flora and fauna with examples.

PART III Give answers to any two questions:

(Marks: 6 × 2 = 12)

13. Discuss the role of botanicals in human health and biodiversity.
14. Explain the assessment of mapping of biodiversity. What are the methods, challenges and application of it?
15. What is bioprospecting? Discuss the use of chordates, non-chordates, cryptogams and phanerogams in bioprospecting.