

D 92911-L

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Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2020**

Common Course—B.Sc. LRP

A 11—BIO-DIVERSITY—SCOPE AND RELEVANCE

Time : Two Hours and a Half

Maximum : 80 Marks

Section A

*Answer at least **ten** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 30.

1. Define Bio-diversity.
2. What is IUCN Red list categories ?
3. Define species diversity.
4. Write a note on different plant sources of novel enzymes.
5. What is hot spots ?
6. Write a note on species extinction.
7. What is immunosuppressive agents ?
8. What is antiviral agents ?
9. What is species extinction ?
10. What is antibiotics ?
11. What is therapeutic agents ?
12. What is eco-system diversity ?
13. Write a note on importance and role of 'World Environment Day'.
14. Write a note on national parks.
15. Write an account on *in-situ* and *ex-situ* conservation method.

(10 × 3 = 30 marks)

Turn over

Section B

*Answer at least **five** questions.*

Each question carries 6 marks.

All questions can be attended.

Overall Ceiling 30.

16. Explain the values and uses of biodiversity.
17. Briefly explain wild-life sanctuaries and its mention its significance.
18. Write a note on importance of biodiversity.
19. What are the conservation strategies of biodiversity.
20. Explain the importance and roles of botanical gardens.
21. Briefly explain the magnitude of fungal diversity.
22. Write an account on microbial culture collection and its importance.
23. Write an account on bio-diversity and climate change.

(5 × 6 = 30 marks)

Section C

*Answer any **two** question.*

Each question carries 10 marks.

24. Explain the concept of intervention and monitoring methods of biodiversity.
25. Write an account on Agro-biodiversity with special mention on wild, cultivated and domesticated plants and animals.
26. Explain various Bio-prospecting methods by using different plant sources.
27. Write an account on various components of biodiversity.

(2 × 10 = 20 marks)