

S.No. 7364

PN 15 BO 3

(For candidates admitted from 2015–2016 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Botany

**ANGIOSPERM, TAXONOMY, ECOLOGY,
PHYTOGEOGRAPHY**

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

1. Chemo taxonomy
2. ICBN
3. Polyphyllous arid Gamophyllous
4. Write two Binomial of *Nyctoginaceae*.
5. Hydrosphere
6. Endemism
7. Sericulture.
8. Biodiversity

9. Continental drift.
10. Phytogeography.

SECTION B — (5 × 7 = 35)

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

11. (a) Explain the role of BSI and its importance in plants.

Or

- (b) Write an account on keys in Angiosperms.

12. (a) Write the salient feature of *Myrtaceae* with illustration.

Or

- (b) Compare the floral character of *Rhamnaceae* and *Commelinaceae*.

13. (a) Differentiate Terrestrial Ecology and Aquatic Ecology.

Or

- (b) Write about Bio Indicators.

14. (a) Illustrate the Biogeochemical Cycle.

Or

- (b) Write about the methods of RET plants Conservation.

15. (a) Write about the role of GIS and GPS.

Or

- (b) Explain about Phytogeographical Classification in India.

SECTION C — (3 × 15 = 45)

Answer any THREE questions.

16. Describe the classification of Angiosperms by Hutchinson and write Merit and Demerits.

17. Compare floral character of *Vitaceae* and *Poaceae*.

18. Write an essay on Macro and Micro climatic role in determination of Ecology.

19. Discuss about gene Diversity.

20. Write about Remote sensing and its applications.