

S.No. 2624

P 16 BO 22

(For candidates admitted from 2016–2017 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Botany

ANGIOSPERM, TAXONOMY, ECOLOGY AND
CONSERVATION

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions. Each answer should not exceeds
30 words. Short notes on:

1. Topotype
2. Bracketed key
3. Cladistics
4. Sevotaxonomy
5. Phylogenetic tree
6. Actinomorphic flower
7. Keel petal

8. Cymose inflorescence
9. Name any two nitrogen fixing bacteria.
10. Insitu conservation.

PART B — ($5 \times 5 = 25$)

Answer the following questions.

11. (a) Write a short notes on revisions and monographs.

Or

- (b) Briefly writes on principle of priority.

12. (a) RAPD and RFLP, write a short notes on its application.

Or

- (b) What is DNA bar coding?

13. (a) Describe the floral characteristics of polygalaceae family.

Or

- (b) Mention the economic importance of the family Lythraceae.

14. (a) Mention the salient features of loranthaceae

Or

- (b) Describe the salient features of the family oleaceae.

15. (a) Explain food chain and food web.

Or

- (b) Give a small account on carbon cycle.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Write the Bentham and Hookers' system of classification.
17. Explain the field and Hesbaciun techniques.
18. Discuss the characteristics features of the family sapindaceae.
19. Write the floral characters of the family Orchidaceae.
20. Give as detailed account on Insitu and Exsitu conservation.