

15014

M.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2015.

FIRST SEMESTER

Botany

Paper IV — TAXONOMY OF ANGIOSPERMS

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. APG Classification
2. Cornquist
3. BSI
4. Effective and Valid Publication
5. Solanaceae
6. Numerical taxonomy
7. Continental Drift Theory
8. Poaceae

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. What is natural system of classification? Write briefly the classification of Bentham and Hooker and its merits and demerits.

Or

10. Give an account of various theories related to origin and evaluation of angiosperms.
11. What is herbaria? Write herbarium methodology and important herbaria in India.

Or

12. Write salient features of ICBN.

13. Write important characters, botanical names of the plants (at least six) and its economical importance of Lamiaceae.

Or

14. What is Chemotaxonomy? Give detailed account of role of chemotaxonomy in systematic studies.
15. What is endemism? Write briefly the endemic plants of India.

Or

16. Write an essay on flora and vegetation types of Andhra Pradesh.
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