

M.SC DEGREE END SEMESTER EXAMINATION OCTOBER 2016
SEMESTER - 3: BOTANY

COURSE: P3BOTT12 - TAXONOMY OF ANGIOSPERMS

Common for Regular (2015 Admission) & Supplementary / Improvement (2014 Admission)

Time: Three Hours

Max. Marks: 75

I. Answer **any eight** questions briefly; each question carries **2 marks**

1. Write a brief note on Index Kewensis.
2. Write a note on bracketed taxonomic key.
3. Write brief note on the salient features of Boraginaceae?
4. Write a note on the salient features of Araceae.
5. What is Index Herbariorum?
6. Briefly describe the floral features of Poaceae.
7. Write a short note on Tropical Botanical & Research Institute.
8. Write a short note on the floral features of Aristolochiaceae
9. Write note on floral features of Sapotaceae
10. Highlight the floral features of Acanthaceae
11. Write the binomial and family of (a) Custard apple, (b) Mangosteen, (c) Fennel, (d) Noni
12. Write the economic significance and binomial of (a) Cowpea, (b) Chickpea, (c) Mung bean, (d) Pigeon pea

(2 x 8 = 16)

II. Answer **any seven** questions; each question carries **5 marks**

13. Discuss the ethnobotanical significance of *Arogya pacha*.
14. Write short notes on Revisions and Monographs.
15. Write a note on the salient features of Takhtajan's classification scheme.
16. Comment on the floral features of Asteraceae.
17. Describe the history and development of Herbarium technique.
18. Write a short note on the salient features of Cyperaceae.
19. Write a note on the floral features of Orchidaceae.
20. Make a comparative account of major features of Rubiaceae and Apocynaceae
21. Prepare a comparative account on the floral features of Verbenaceae and Lamiaceae.
22. Write an account on the recent trends in the treatment of Scrophulariaceae.

III. Answer **any two** questions; each question carries **12 marks**

23. Write an account on the diversity of form and structure of Zingiberaceae.

OR

24. Discuss the trends in the treatment of Euphorbiaceae in Bentham & Hooker and APG classification schemes.

25. Write notes on (a) floral features and (b) patterns of branching of family Solanaceae.

OR

26. Prepare an account on the primitive features of Ranales. Discuss its systematic position with respect to Takhtajan and APG classification systems.

(12 x 2 = 24)
