

Reg. No

Name

17P3608

MSc DEGREE END SEMESTER EXAMINATION- APRIL 2018
SEMESTER 3 : BOTANY
COURSE : 16P3BOTT09 ; TAXONOMY OF ANGIOSPERMS
(For Regular - 2016 admission)

Time : Three Hours

Max. Marks: 75

Section A

Answer any 8 (2 marks each)

1. What are the principles of APG system?
2. What is Indented key?
3. Write short notes on Monograph and Revision.
4. Give the systematic position of (a) *Fragraea obovata* (b) *Globba bulbifera*.
5. Write short note on the androecium and gynoecium of Apocynaceae.
6. Give the binomial of (a) Horse gram (b) Green gram.
7. Write a short note on the inflorescence of Apiaceae.
8. Briefly describe the Gynoecium of Rosaceae.
9. Write a short note on the corolla of Aizoaceae.
10. What are the major contributions of S.K Jain in ethnobotanical studies?
11. What is ABC model?
12. Explain, why self incompatibility is considered as a result of evolution.

(2 x 8 = 16)

Section B

Answer any 7 (5 marks each)

13. Briefly explain Takhtajan's system of classification.
14. What are the merits and demerits of APG system?
15. With an example, explain indented key.
16. Explain indented and bracketed key.
17. Briefly describe the floral features of Ranunculaceae.
18. Herbaceous habit is considered to be advanced than tree habit. Do you agree with this? Why?
19. Briefly describe the floral features of Guttiferae.
20. Explain the economic importance of Fabaceae.
21. Discuss the morphology of labellum in Zingiberaceae.
22. Explain the economic importance of Poaceae.

(5 x 7 = 35)

Section C

Answer any 2 (12 marks each)

23. Explain the classification proposed by Angiosperm Phylogeny Group and give an outline of APG III.
24. Discuss the diversity, form and structure of Lamiaceae.
25. Discuss the evolutionary trends in Bicarpellatae.
26. Discuss the significance of ethnobotanical studies citing one suitable example from Kerala.

(12 x 2 = 24)