ALL SAINTS COLLEGE LIBRARY TRIVANDRUM

(Pages : 3)

H – 6266

Reg. No. : .....

Name : .....

Fifth Semester B.Sc. Degree Examination, December 2019

First Degree Programme under CBCSS

Botany

Core Course

BO 1541 : ANGIOSPERM, MORPHOLOGY, SYSTEMATIC BOTANY, ECONOMIC BOTANY, ETHNOBOTANY AND PHARMACOGNOSY

(2014 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

I Answer the following questions. All questions carry equal marks.

1. What is the fruit characteristic to the genus *Ficus*?
2. Explain syngenesious condition.
3. Name two important herbaria in India.
4. Give the binomial and family of the plant that produce cotton.
5. What is ethnobotany?
6. What is the morphology of useful part in *Ferula asafoetida*?
7. What is pollinium?
8. What is 'Type'?
9. What is hesperidium?
10. What is resupination?

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** of the following.

11. Comment on symmetry of flowers.

12. Explain Phylogenetic system of classification.

13. What is molecular taxonomy?

14. Give binomials of two economically important plants of the family Anacardiacea

15. Explain the nature of fruit in Apiaceae.

16. Describe adelphous condition of stamens.

17. Name any two medicinally important plants of the family Apocynaceae.

18. Explain the role of Botanic gardens in plant taxonomy.

19. Name two wild food plants used by tribals.

20. Differentiate between apocarpous and syncarpous condition.

21. Explain the economic importance of Malvaceae.

22. What is 'Rule of Priority'?

(8 × 2 = 16 Mar

III. Answer any **six** pf the following.

23. Explain placentation types.

24. What are the major rules of ICBN?

25. Explain head inflorescence in Asteraceae.

26. Explain the primitive features of Nympheaceae.

27. What is pharmacognosy? Explain its importance.

28. What are the diagnostic features of Asclepiadaceae?

29. Explain different types of aestivation with diagrams.

30. Describe the characters of Apiaceae.

31. Explain the floral characters of Lamiaceae.

(6 × 4 = 24 Marks)

IV. Write an essay on any **two** of the following.

32. Explain different types of fruits with examples.

33. Describe Bentham and Hooker's System of Classification. Add a note on its merits and demerits.

34. Explain the vegetative and reproductive features of Annonaceae. Add a note on the primitive features of the family.

35. Explain various ethnobotanical uses of plants. What are the roles of ethnomedicinal plants in modern medicine?

(2 × 15 = 30 Marks)
