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Reg. No. : .....

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Fifth Semester B.Sc. Degree Examination, February 2021

First Degree Programme Under CBCSS

Botany

Core Course – IX

# BO 1541 — ANGIOSPERM MORPHOLOGY, SYSTEMATIC BOTANY, ECONOMIC BOTANY, ETHNOBOTANY AND PHARMACOGNOSY

(2018 Admission Regular)

Time : 3 Hours Max. Marks : 80

(Draw diagrams wherever necessary)

## SECTION – A

I. Answer **all** questions in **one** word or **two** sentences. **Each** question carries **1** mark.

1. What is the type of fruit in Areca catechu?
2. What is meant by epipetalous stamens?
3. Write the botanical name of tomato.
4. Write the family of Gloriosa superba.
5. What is a floral formula?
6. Which is the source of Aswagandha?

7. Define chirepterophily.

8. What are the uses of Tapioca?

9. Which is the family of Arogyapacha?

10. Write the botanical name and family of garlic.

## SECTION – B

II. Answer **any eight** questions. **Each** question carries **2** marks (Answer not to exceed **1** paragraph).

11. Write on basal placentation with examples.

12. Explain quincuncial aestivation with diagram.

13. Write on the economic botany of Neem.

14. List out the identifying features of Liliaceae

15. Explain the translator.

16. Write on the uses of rubber.

17. Write on ethnobotany.

18. Write on the scope of pharmacognosy.

19. What are the primitive characters of Nymphaeaceae?

20. What are the advanced features of Malvaceae?

21. List out the advanced characters of Acanthaceae.

22. Write on edible plants of Solanaceae.

23. How will you identify annonaceae plants in the field?

24. Describe the flower in Arecaseae.

25. Write on epicalyx of Malvaceae.

26. List out the identifying characters of Rutaceae.

## SECTION – C

III. Answer **any six** questions. **Each** question carries **4** marks (Answer should not exceed **120** words).

27. Draw a floral diagram of any dicot family and explain the symbols.

28. Explain Engler and Prantl's system of classification.

29. Write on International Code of Botanical Nomenclature with latest code.

30. Write on pulses and spices.

31. Discuss the special features of Apiaceae.

32. Compare Asclepiadaceae with Apocynaceae.

33. Write on the economic importance of Arecaceae with examples.

34. Explain chemotaxonomy.

35. Explain the identifying characters of Orchidaceae.

36. Describe the different types of corolla.

37. List out the advanced and primitive characters of Anacardiaceae.

38. Explain different types of placentations with diagrams.

## SECTION – D

IV. Answer **any two** questions. Each question carries **15** marks (Answer not to exceed **3** pages).

39. Write an essay on herbarium techniques.

40. Write an account of the family Poaceae. Add a note on its advanced and primitive characters.

41. Give an account of the vegetative and reproductive characters of papilionaceae. Add a note on its economic importance.

42. Explain the various types of inflorescences with diagrams and examples.

43. Explain the economic botany of coconut.

44. Write on Nyctaginaceae family.

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