

Reg. No. :

Name :

Sixth Semester B.Sc. Degree Examination, March 2020

Career Related First Degree Programme under CBCSS

Group 2 (a) – Botany and Biotechnology

**Core Course – XI – BB 1641 — ANGIOSPERM MORPHOLOGY AND
SYSTEMATIC BOTANY**

(2013 and 2014 Admission)

Time : 3 Hours

Max. Marks : 80

Draw diagrams wherever necessary.

SECTION – A

1. Answer **all** questions in **one word to two** sentences. **Each** question carries **1** mark.
1. Name the characteristic fruit of Cucurbitaceae.
2. Name a fossil angiosperm.
3. What do you mean by syngenesious stamen?
4. What is regma?
5. Give the binomial of oil palm.
6. Source of chewing gum.
7. Which is the language of botanical nomenclature?

8. Define pseudocarp. Mention its function.
9. Define the rule of priority.
10. What is a labellum?

(10 × 1 = 10 Marks)

SECTION – B

- II. Answer **any eight** questions; not to exceed a paragraph. **Each** question carries 2 marks.
11. Give an account of the contributions of Linnaeus.
 12. Pollination in Papilionaceae.
 13. Mention any four diagnostic features of the flower of Solanaceae.
 14. Explain the nature of stamens in Rutaceae.
 15. Describe the primitive features of Annonaceae.
 16. Medicinal importance of Rubiaceae
 17. Author citation.
 18. Explain the spikelet of Poaceae.
 19. Give the floral diagram and floral formula of a typical flower of Liliaceae
 20. Economic importance of Myrtaceae.
 21. What is an effective publication?
 22. Explain coenanthium with an example.

(8 × 2 = 16 Marks)

SECTION – C

- III. Answer **any six** questions, not to exceed **120** words. **Each** question carries **4** marks.
23. Distinguish between didynamous and diadelphous condition with examples
24. Define aestivation. Mention the different types with examples.
25. Describe the gynoecium in Nymphaeaceae.
26. What are secondary metabolites? Give an account of the secondary metabolites of taxonomic importance.
27. Flower is a modified shoot. Substantiate the statement.
28. Explain fleshy fruits with examples.
29. Distinguish between albuminous and exalbuminous seeds with examples.
30. Explain the floral characters of Asclepiadaceae.
31. Explain the major steps in herbarium preparation.

(6 × 4 = 24 Marks)

SECTION – D

- IV. Write essay **on any two** of the following, not more than **3** pages. **Each** question carries **15** marks.
32. Give an account of the various types of racemose and cymose inflorescences with examples and suitable diagrams.
33. Give an account of the family Apocynaceae. Mention the plants of economic importance in the family.
34. Apiaceae is considered as the most advanced family in polypetalae. Substantiate the statement. Give the binomial of any three plants of economic importance in the family.
35. Give an account of the salient features of Bentham and Hookers system of classification. How it differs from Engler and Prantl's system?

(2 × 15 = 30 Marks)