



21100549

QP CODE: 21100549

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) EXAMINATION, MARCH 2021**

**Third Semester**

B.Sc Zoology Model I

**COMPLEMENTARY COURSE - BO3CMT03 - ANGIOSPERM TAXONOMY AND  
ECONOMIC BOTANY**

2017 Admission Onwards

6498C022

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What is a simple cymose inflorescence?
2. What is a verticillaster inflorescence?
3. What is a caryopsis?
4. What is a lomentum?
5. What are the salient features of series disciflorae?
6. Name an angiosperm family with adnate, hooded anther.
7. Name two economically important plants of Rutaceae family.
8. Name the plant from which vincristine is extracted from.
9. Name the characteristic inflorescence of family Lamiaceae.
10. Write the botanical name of two pulses.
11. Which are the fibre yielding parts in cotton and coir?
12. Write the botanical name and family of Eclipta.

(10×1=10)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Give an account on the classification of flower based on position of ovary.
14. Comment on the different types of placentation.
15. Write a short note on multiple fruit.
16. Herbarium serves as a taxonomic aid. Explain.
17. List out the distinguishing characters of Malvaceae family.
18. Write a note on the floral characters of family Asteraceae.
19. Write the botanical name, family, morphology of useful part, economic products and uses of pepper and cardamom.
20. Write the botanical name, family, morphology of useful part, economic products and uses of para rubber.
21. Write the botanical name, family, morphology of useful part, economic products and uses of orchid and anthurium.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Give an account on racemose inflorescence with suitable examples?
23. Describe the concepts in cytotaxonomy and chemotaxonomy. How the modern concepts in taxonomy is superior over artificial and natural system of classification?
24. Give the distinguishing characters, & economic importance of family Rubiaceae.
25. Write an essay on medicinal plants. Write the botanical name, family, morphology of useful part and uses for each plant

(2×10=20)

