

E 6144



Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, SEPTEMBER 2024

Sixth Semester

Core Course—ANGIOSPERM MORPHOLOGY, SYSTEMATIC BOTANY
AND ECONOMIC BOTANY

(Common for B.Sc. Botany Model I and Model II)

[2011 and 2012 Admissions]

Time : Three Hours

Maximum Weight : 25

Part A (Objective Type Questions)

Answer all questions.

Each bunch of four questions carries a weight of 1.

- I. 1 In groundnut oil is obtained from :
- (a) Endosperm. (b) Mesocarp.
(c) Cotyledons. (d) Endocarp.
- 2 Phaseolus aureus is :
- (a) Green gram. (b) Black gram.
(c) Horse gram. (d) Bengal gram.
- 3 Cyathium inflorescence is typical of :
- (a) Asteraceae. (b) Amaranthaceae.
(c) Euphorbiaceae. (d) Rutaceae.
- 4 Jute fiber is developed from :
- (a) Xylem. (b) Phloem.
(c) Parenchyma. (d) Chlorenchyma.

II. Fill in the blanks :

- 5 _____ is the standard size of a herbarium sheet.
6 _____ is an example for aggregate fruit.
7 _____ is the family of legumes.
8 Sugarcane belong to the family _____.





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III. Give the names of the following :

- 9 Family of Coriander.
- 10 Largest Botanical garden in the world.
- 11 Timber yielding plant of Verbenaceae.
- 12 Inflorescence of sunflower family.

IV. State whether true or false :

- 13 A natural system of classification was proposed by Linnaeus.
- 14 Tobacco belongs to family Convolvulaceae.
- 15 Coconut is a dry dehiscent fruit.
- 16 Raceures with stalkless flowers are called spike.

(4 × 1 = 4)

Part B (Short Answer Questions)

*Answer any **five** of the following.
Each question carries a weight of 1.*

- 17 What is an umbel ?
- 18 What is vasculum ?
- 19 Mention the difference between epigyny and perigyny.
- 20 What is a drupe ?
- 21 What is aestivation ?
- 22 What is gynostegium ?
- 23 Give the binomial of any two spices.
- 24 What is synandrous condition ?

(5 × 1 = 5)

Part C (Short Essay)

*Answer any **four** questions.
Each question carries a weight of 2.*

- 25 Explain the structure of an Orchid flower.
- 26 Enlist the distinguishing characters of Nymphaeaceae.





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- 27 Write the botanical name, family and useful part of :
(a) Gingelly. (b) Cloves.
- 28 Explain the branching patterns in Solanaceae.
- 29 Write a brief account of tribal medicine.
- 30 Explain 'Flower as a modified shoot'.

(4 × 2 = 8)

Part D (Essay Type)

*Answer any two questions.
Each question carries a weight of 4.*

- 31 Describe Bentham and Hooker's system of classification. Mention merits and demerits of the system.
- 32 Compare the three sub-families of Leguminosae.
- 33 Give a detailed account of herbarium technique.

(2 × 4 = 8)

