

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2023 ONLY)

23UBY507

REG.NO. :

N.G.M. COLLEGE (AUTONOMOUS): POLLACHI

END-OF-SEMESTER EXAMINATIONS: NOVEMBER-2025

B.Sc.-BOTANY

MAXIMUM MARKS: 75

SEMESTER: V

TIME: 3 HOURS

PART-III

TAXONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Roots are _____.
a) Descending, negatively geotropic, positively phototropic
b) Descending, positively geotropic, negatively phototropic
c) Ascending, positively geotropic, negatively phototropic
d) Ascending, negatively geotropic, positively phototropic
2. Plant specimen cited with the original description other than holotype is called as _____.
a) Paratype b) Neotype c) Leptotype d) Syntype
3. Which one of the following is the correct Taxonomic Hierarchy?
a) Division, Class, Series, Order & Family b) Division, Order, Class, Series, & Family
c) Order, Division, Class, Series, & Family d) Series, Order, Division, Class, & Family
4. Tepals are the characteristic features of _____.
a) Euphorbiaceae b) Cucurbitaceae c) Rutaceae d) Rubiaceae
5. The queen of spices is _____.
a) Cardamom b) Pepper c) Ginger d) Chilly

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. What is Phyllotaxy?
7. Define Herbarium.
8. Explain Syngenesious stamens.
9. What are glumes?
10. What is flax seed called in Tamil Nadu?

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Analyze the various types of Inflorescences.

(OR)

- b) Examine the outline of APG – IV System of Classification.

(CONTD.....2)

- 12.a) Recall the Nomenclatural types.
(OR)
b) List the online herbaria in the world.
13. a) Organize the general characteristics of Apiaceae.
(OR)
b) Identify the economically important members of Rutaceae.
14. a) Explain the spikelet of grass with suitable diagram.
(OR)
b) List the economic importance of Euphorbiaceae.
- 15.a) Compare food grains with Pulses.
(OR)
b) Find the binomial name, common name and uses of Gums and resins.

SECTION – C**(5 X 8 = 40 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)**

16. a) Describe Bentham & Hooker Classification of plants.
(OR)
b) Examine the various type of Fruits.
17. a) Summarize the requirements and process of Herbarium.
(OR)
b) Explain the concept of chemotaxonomy with suitable example.
18. a) “Annonaceae is the primitive family among polypetalae”- Justify.
(OR)
b) Discuss the floral morphology and economic importance of Cucurbitaceae.
19. a) Illustrate the floral characteristics of the family Arecaceae.
(OR)
b) Explain the economic importances of Poaceae and Arecaceae.
20. a) Analyze spices and condiments.
(OR)
b) Give the outline of timber and timber yielding plants.
