

(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2024 ONLY)

24PBY309

REG.NO. :

**N.G.M. COLLEGE (AUTONOMOUS) : POLLACHI**  
**END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2025**  
**M.Sc.-BOTANY** **MAXIMUM MARKS: 75**  
**SEMESTER: III** **TIME : 3 HOURS**

**TAXONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY**

**SECTION – A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**(K1)**

1. “New Systematics” term was coined by \_\_\_\_\_.  
a. Linnaeus    b. Bentham and Hooker    c. A.P.de Candolle    d. Juliane Huxley
2. Smallest taxon of classification is \_\_\_\_\_.  
a. Kingdom    b. Family    c. Variety    d. Species
3. The inflorescence type commonly found in family Oxalidaceae is \_\_\_\_\_.  
a. Racemose    b. Cymose    c. Umbellate    d. Spicate
4. In family Loranthaceae the leaves are typically \_\_\_\_\_.  
a. compound    b. deeply lobed    c. simple, opposite, entire    d. succulent
5. Which of the following terpenes is not found in Eucalyptus oil.  
a. Pinene    b. Phellandrene    c. Rutin    d. Camphene

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.**

**(K2)**

6. Artificial system of classification.
7. Author citation .
8. Distinguish Nympheaceae and Portulaceae.
9. Illustrate Nyctaginaceae.
10. Name the drugs of *Withania somnifera*.

**SECTION – B**

**(5 X 5 = 25 MARKS)**

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

11. a) Describe B.S.I its role and Organisation  
(OR)  
b) Discover the Botanical exploration and contribution of William Roxburgh.
12. a) Discuss taxonomic literature.  
(OR)  
b) Describe chemotaxonomy.
13. a) Compare the floral characters of Sapindaceae and Combretaceae.  
(OR)  
b) Interpret the distinct characters of family Tiliaceae and Lythraceae. (CONTD.....2)

14.a) Describe the family Boraginaceae in detail.

(OR)

b) Discover the economic importance of the family Moraceae.

15. a) Examine the applications of lemon grass oil and Eucalyptus oil.

(OR)

b) List the properties of *Coleus aromaticus*

**SECTION – C**

**(5 X 8 = 40 MARKS)**

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

**(K4 (Or) K5)**

16. a) Outline the classifications of Phylogenetic system.

(OR)

b) Examine the preparation and maintenance of Herbarium.

17. a) Discuss Binomial Nomenclature.

(OR)

b) Evaluate effective and valid publication.

18. a) Summarise the family Zygophyllaceae.

(OR)

b) Justify the floral characters of Rhamnaceae.

19. a) Classify the distinct characters of family Plumbaginaceae.

(OR)

b) Describe the floral characters of family Liliaceae.

20. a) Discuss the processing of coconut fibre.

(OR)

b) Point out the processing of Sugarcane.

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