

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

23PBY309

REG.NO.:

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI**  
**END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2024**  
**COURSE NAME: M.Sc.-BOTANY** **MAXIMUM MARKS: 75**  
**SEMESTER: III** **TIME : 3 HOURS**

**PLANT TAXONOMY OF ANGIOSPERMS & ECONOMIC BOTANY**

**SECTION – A**

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

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**K1**

1. Bentham and Hookers system of classification is a \_\_\_\_\_ system.  
a) Natural    b) Artificial    c) Phylogenetic    d) Modern.
2. The Analysis of various types of taxonomic data by mathematical methods is called \_\_\_\_\_.  
a) Chemotaxonomy    b) Numerical taxonomy    c) Molecular taxonomy    d) Floral taxonomy.
3. Water Lilly family is a \_\_\_\_\_.  
a) Tiliaceae    b) Lythraceae    c) Nymphaeaceae    d) Sapindaceae.
4. Cyperaceae is a \_\_\_\_\_.  
a) Monocots    b) Monochlamydeae    c) Dicots    d) Polypetalae.
5. Botanical name of the wheat is \_\_\_\_\_ a) oryza sativa b) Triticum vulgare c) Zea mays  
d) sorghum vulgare.

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

**K2**

6. What are Botanical gardens?
7. What is chemotaxonomy?
8. What is the floral characters of sapindaceae?
9. Write about inflorescence of Family Loranthaceae?
10. What is the Botanical name & Family name of the Redgram?

**SECTION – B**

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

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

11. a) Describe the uses of Herbaria?  
**(OR)**  
b) Write about the roles of BSI.
12. a) Explain the principles of Numerical taxonomy.  
**(OR)**  
b) Write about the Principles of ICBN.

**(CONTD.....2)**

13. a) Describe the Floral characters of Family combresstaceae?  
(OR)  
b) Draw the Floral Diagram & Floral Formula of the Family Tiliaceae?
14. a) Explain the vegetative characters of sapotaceae.  
(OR)  
b) Describe the Floral characters of the Family Loranthaceae?
15. a) Write about Family name, useful part & uses of coleus aromaticus.  
(OR)  
b) Describe the Family name, Botanical name, useful part & uses of wheat.

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

16. a) Discuss the Artificial system of classification.  
(OR)  
b) Explain about Bentham & Hooker classification.
- 17.a) Write an essay on chemotaxonomy.  
(OR)  
b) Discuss about Binomial Nomenclature.
18. a) Discuss about Floral characters of Nympheaceae.  
(OR)  
b) Describe the Family portulaceae.
- 19.a) Discuss about the Family orchidaceae.  
(OR)  
b) Describe the Floral characters of the Family poaceae .
- 20.a) Write about the oil yielding plants. (Groundnut, sunflower)  
(OR)  
b) Describe the utilization of pulses. (red gram & black gram)

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