

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)**

21UBY507

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2023

COURSE NAME: B.Sc.-BOTANY

MAXIMUM MARKS:70

SEMESTER: V

TIME : 3 HOURS

PART – III

TAXONOMY OF ANGIOSPERMS

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Select the correct expansion of APG _____.
 a. Angiosperm Phylogeny Group system b. Angiosperm Physiological Group system
 c. Angiosperm Phylogeny Grade system d. Annual Phylogeny Group system
2. Royal botanical garden is situated in _____.
 a. America b. London c. Italy d. China
3. *Tridax procumbens* belongs to which of the following family _____.
 a. Annonaceae b. Capparidaceae c. Apocynaceae d. Asteraceae
4. Fused petals are found in _____.
 a. Monochlamydeae b. Gamopetalae c. Polypetalae d. Glumiflorae
5. The mycorrhizal association is found in _____.
 a. Orchidaceae b. Cannaceae c. Liliaceae d. Arecaceae

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define tap root system
7. Expand the term ICBN
8. State the term Polypetalae
9. List three series of Gamopetalae
10. Epiphytic orchid.

SECTION – B

(5 X 4 = 20 MARKS)

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

11. a) Explain any four inflorescence, you have studied.

(OR)

- b) Describe the classifications of fruits.

(CONTD.....2)

12.a) What is author citation, Write its importance.
(OR)
b) Write a short notes on chemo taxonomy.

13.a) Examine the morphological and floral characters of Annonaceae.
(OR)
b) List out the economic importance of Apocynaceae .

14.a) Describe the floral characters of Asclepiadaceae.
(OR)
b) Discuss the economic importance of Euphorbiaceae.

15.a) Explain the family characters of Cannaceae.
(OR)
b) Enumerate the importance of Liliaceae family.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21) (K4 (Or) K5)**

16. Summarise the Bentham & Hooker system of classification.
17. Discuss about the principles of plant taxonomy
18. Prioritize the functions of Botanical survey of India (BSI)
19. Determine the range of characters and economic importance of the family Capparidaceae .
20. Discuss the general characters and the economic importance of Amaranthaceae
21. Write an essay on pollination mechanism that you studied.
