

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2020 ONLY)

20UBY507

REG.NO. :

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

END-OF- SEMESTER EXAMINATIONS : DECEMBER-2022

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 MULTIPLE CHOICE QUESTIONS: (K1)

1. Phyllode is the modification of _____.
a) Leaf b) Stem c) Petiole d) Peduncle
2. Choose the chemical which is used as a insecticide in a herbarium _____.
a) Mercuric chloride b) Copper sulphate c) Benzene d) Chloroform
3. Gland dotted leaves are seen in _____ family?
a) Rutaceae b) Acanthaceae c) Fabaceae d) Lamiaceae
4. In which family Verticillaster inflorescence is seen?
a) Amaranthaceae b) Annonaceae c) Asclepiadaceae d) Lamiaceae
5. What is the binomial of Ragi ?
a) *Hordeum vulgare* b) *Oryza sativa* c) *Eleusine coracana* d) *Pennisetum typhoides*

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)

6. Define drupe.
7. Expand ICBN.
8. What is gynandrophore.
9. Write a note on Cyathium.
10. Define pollinium.

SECTION – B (5 X 4 = 20 MARKS)

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

11. a) Compare the Pome and Hesperidium fruits.

(OR)

- b) Describe the terminologies used in the description of a flower.

- 12.a) Explain the system of binomial nomenclature.

(OR)

- b) Give an account on Royal Botanical garden.

(CONTD 2)

13. a) Describe the salient features of Custard apple family.

(OR)

b) With neatly labeled sketch, describe the floral characters of Cucurbitaceae.

14. a) illustrate the floral structure in Scrophulariaceae.

(OR)

b) With neatly labeled sketch, describe the floral characters of Euphorbiaceae.

15.a) Describe the flower of Orchidaceae with suitable diagram.

(OR)

b) Comment on spikelet inflorescence.

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. Where is India's National Herbarium located? Describe the techniques involved in the herbarium preparation and add a note on its uses.

17. Give an account of root modifications.

18. Write an essay on Botanical Survey of India.

19. Enumerate the diagnostic features of Sunflower family.

20. Describe the salient features of Amaranthaceal family and add a note on its economic importance.

21. Enumerate the salient features of Palm family.
