

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

21PBY3E7

REG.NO

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

END-OF-SEMESTER EXAMINATIONS : DECEMBER- 2022

COURSE NAME: M.Sc.- BOTANY

MAXIMUM MARKS: 70

SEMESTER: III

TIME : 3 HOURS

FORESTRY AND WOOD SCIENCE

SECTION - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS. (K1)

- Which among the following states has a maximum area of forest cover in India?
a) Kerala b) Assam c) Tamilnadu d) Madhya Pradesh
- Which type of forest measurement system is the term 'Hoppus' associated?
a) Timber yield measurement b) Rubber yield measurement
c) Tea yield measurement d) None of these
- Sacred grooves are _____ of forests or natural vegetation held sacred by local deity.
a) vegetation b) patches c) both a & b d) bare
- Ethnobotanical records are stored in _____ database.
a) PLANIMAL b) SEPASAL c) NAPRALERT d) EMBL
- Indian forest act was proposed in the year _____.
a) 1927 b) 1945 c) 1990 d) 1917

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

- What is monoculture?
- Define silviculture.
- What the term agroforestry denotes?
- Write the uses of ethnobotany.
- Define Biosphere.

SECTION – B (5 X 4 = 20 MARKS)

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

- 11.a) Write a brief note on social and industrial forest.
(OR)
b) List the features of tropical and deciduous forest.
- 12.a) How is regeneration of forests achieved by silviculture?
(OR)
b) Explain in brief the nature and types of bark.

(CONTD.....2)

13.a) What is avenue plantation? Add a note on its importance.

(OR)

b) Give an account of NBSAP.

14.a) Briefly explain the role of tribes in medicinal plant conservation.

(OR)

b) Write a note on the importance of ethnobotany in human welfare.

15.a) Write a brief note on the durability of wood concerning seasoning and preservation.

(OR)

b) List the types of commercial wood species in India.

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. Explain in detail the forest types in Tamilnadu with special reference to their features.

17. Write an essay on the silviculture of *Mesua ferrea*.

18. Give a detailed note on the Indian forest act 1927 and its amendment.

19. AYUSH is more effective in medicinal plant conservation-justify.

20. Give a detailed account on properties, manufacture, and uses of plywood.

21. Explain in detail the silviculture of the economically important species *Tectona grandis*.
