

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

23PBY3E7

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

FORESTRY AND WOOD SCIENCE

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

MULTIPLE CHOICE QUESTIONS.

- _____ is a form of intensive farming.
a) Monoculture b) multiculture c) poly culture d) mixed culture .
- _____ technique involves periodical cut back of trees to ground level.
a) Cutting b) pruning c) editing d) trimming .
- Van Mahotsev is celebrated in the first week of _____.
a)August b) September c) July d) November
- NMPB stands for _____.
a) National Medicinal Plants Bureau b) National medicinal Plants Board
c) National Medicinal Plants Bank d) None of these
- Wood is mainly composed of _____.
a) Cellulose b) Lignin c) Osh d) Melanin

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

- Write down the common plants of deciduous forest.
- Define Silviculture.
- Expand NBSP.
- List any five tribes names in Southern India.
- State any two uses of fiber boards.

SECTION – B

(5 X 5 = 25 MARKS)

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

- a) Discuss the IUCN red listed categories of plants
(OR)
b) Compare natural and manmade forests with suitable example.
- a) Describe various types of barks and its nature.
(OR)
b) Mention the steps behind the Silviculture of Dalbergia and Santalam.

(CONTD.....2)

- 13.a) Differentiate between Social and Agro forestry.
(OR)
b) Analyse the role of multipurpose trees with reference to food and fodder
- 14.a) Write a review on AYUSH in medicinal plant conservation
(OR)
b) Define Ethanobotany and Enumerate its subdivisions
- 15.a) Explain how wood is protected through practical methods
(OR)
b) Enumerate the defects and abnormalities of wood.

SECTION – C**(5 X 8 = 40 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K4 (Or) K5)**

16. a) Classify various forest types of India according to Champion and Seth 1968.
(OR)
b) Analyse the relation between forest and gene conservation.
- 17.a) Compile the role of Silviculture in regeneration of forest.
(OR)
b) Write an essay on the Silviculture of any 5 important plants.
18. a) Write a review on the National Biodiversity Strategy and action plan.
(OR)
b) Appraise the importance and status of Sacred groves.
- 19.a) Discuss the role of tribes in medicinal plants conservation.
(OR)
b) Explain the importance of Ethanobotany in human welfare.
- 20.a) Elaborate the physical, chemical, mechanical and anatomical properties of wood.
(OR)
b) Explain how wood gets deteriorated by fungi, insects and other agents.
