

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2024 ONLY)

24PBY3E5

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS): POLLACHI
END-OF-SEMESTER EXAMINATIONS: NOVEMBER-2025

M.Sc.-Botany
SEMESTER III

MAXIMUM MARKS: 75
TIME : 3 HOURS

FORESTRY AND WOOD SCIENCE

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

K1

1. The greatest diversity of plants and animals is characteristic of ____
A) Temperate deciduous forests B) Tropical moist forests C) Savana D) Temperate grasslands
2. A clear felling with a forest protection over wood and regeneration from coppice is called ____
A) Simple coppice system B) Shelterwood coppice system C) Uniform system D) None of these
3. Which act seeks to consolidate the law relating to forests, the transit of forest produce and the duty that can be levied on timber and other forest produce?
A) Indian Forest Act, 1927 B) The Forest Conservation Act, 1980
C) Indian Forest Act, 1865 D) Environmental Protection Act, 1986
4. Which ministry has launched the first central academic institute and the second Ayurvedic college in NE
A) WCD B) Agriculture C) AYUSH D) Science and Technology
5. Wood shrinks and swells as a function of ____
A) Stress B) Shear stress C) Strain D) Moisture content

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

K2

6. Describe monoculture.
7. Name any two economically important species used in silviculture.
8. Define NBSAP.
9. Expand NTFP.
10. Define wood deterioration.

SECTION – B

(5 X 5 = 25 MARKS)

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

11. a) Compare natural and man-made forest.
(OR)
b) Describe forest and gene conservation.
12. a) Examine the coppice system in silviculture.
(OR)
b) Describe the silviculture of *Santalum album*.

(CONTD.....2)

13.a) Interpret the trees used as fodder and energy.

(OR)

b) Describe biological diversity act.

14.a) List the forest products used as timber and pulp wood.

(OR)

b) Outline lac collection and marketing.

15.a) Describe in detail on wood seasoning and preservation.

(OR)

b) Explain the manufacture and uses of plywood, fiber boards and particle boards.

SECTION – C

(5 X 8 = 40 MARKS)

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

16. a) Classify the types of forest in India.

(OR)

b) Enumerate IUCN red list categories.

17.a) Outline the silviculture of any two economically important species.

(OR)

b) Prepare an account of bark and its types.

18. a) Analyze the importance of sacred groves.

(OR)

b) Give an account of forest laws and Indian forest act.

19.a) Prepare a note on forest resources.

(OR)

b) Justify the role of NMPB and AYUSH in medicinal plant conservation.

20.a) Explain the properties of wood.

(OR)

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