Total pages: 2

Sec.2017-18

PG CBCS

M.Sc. Semester-IV Examination, 2019

BOTANY

PAPER: BOT-401

(SILVICULTURE, MENSURATION, SILVICULTURE SYSTEM AND FOREST MANAGEMENT)

Full Marks: 40 **Time: 2 Hours**

Use separate Answer-scripts for Unit-I & Unit-II

UNIT- I

SILVICULTURE & MENSURATION

Marks-20

1. Answer any two questions of the following: **2×2=4**

a) What is abnormal forest?
b) What is aspect?
c) What is artificial regeneration?
d) What is stump height?

2. Answer any two questions of the following: **4×2=8**

a) What is evergreen forest? Name two species of the evergreen trees.
b) What are the different methods adapted for measurement of height of a tree?
c) What is stand table? Mention its utility. 2+2
d) What are factors of locality?

3. Answer any one question of the following: **8×1=8**

a) What is farm forestry? What are the main objectives of farm forestry? Name two species for cultivation under farm forestries. State the difficulties under farm forestry. 2+2+2+2

b) How topographic factors influence the nature of forests in India? Give example of each type of forest. What is pan formation? How it influences characteristics of a forest? 2+3+1+2

(Turn over)

UNIT- II

SILVICULTURE SYSTEM & FOREST MANAGEMENT

Marks-20

1. Answer any two questions of the following: 2×2=4

a) What is CAI?

b) What is felling cycle?

c) What is commercial bole height?

d) What is form factor?

2. Answer any two questions of the following: 4×2=8

a) What is shade demanders species? Define with some examples. 2+2

b) Define forest with its classification.

c) Define regeneration in Forest. What are the major steps for natural regeneration? 2+2

d) What is protected forest? How does it differ from Risera forest? What is shelter wood system? 1+2+1

3. Answer any one question of the following: 8×1=8

a) Discuss Coppice with standard system. How an unclassed forest be converted to protected forest: explain. 6+2

b) What is yield table? What are the contents of yield table? How many kinds of yield tables are there? What is sustained yield? 2+2+2+2

****