

U-30/2051

**PLANT PROPAGATION AND
NURSERY MANAGEMENT**

Paper-XV

(Semester-II)

Time : Three Hours]

[Maximum Marks : 45

Note : Attempt *two* questions each from Section A and B. Section C will be compulsory. Section A consisting of 4 questions carry 6½ marks each. Section B consisting of 4 questions carry 7 marks each. Section C consisting of 9 questions carry 2 marks each.

SECTION-A

- I. What do you mean by Plant Propagation ? Explain need and potentialities of plant propagation.
- II. Discuss internal and external factors of seed dormancy.
- III. Explain the following :
 - (a) Mist Chamber.
 - (b) Glass houses.
- IV. Discuss various methods of vegetative propagation.

SECTION-B

- V. Explain various factors influencing rooting of cutting and layering.
- VI. Write notes on the following :
- (a) Collection of scion wood sticks.
 - (b) Bud wood certification.
- VII. Describe Nursery Registration Act.
- VIII. Explain various techniques of propagation.

SECTION-C

- IX. Write short notes on the following :
- (a) Advantages of sexual propagation.
 - (b) Humidifier.
 - (c) Define Asexual propagation.
 - (d) What is vegetative propagation ?
 - (e) Cutting.
 - (f) Seed dormancy.
 - (g) Limitations of Asexual propagation.
 - (h) Micro-propagation.
 - (i) Graft incompatibility.