

**Register Number:**

**Date:**

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27**

**M.Sc. BOTANY – IV SEMESTER**

**SEMESTER EXAMINATION: APRIL 2020**

**BO 0318: PLANT BREEDING AND PLANT PROPAGATION**

**Time: 2½ hrs Max. Marks: 70**

Draw diagrams and write examples wherever necessary

This paper contains ONE printed page and THREE parts

**A. Answer any TEN of the following: 10x2=20**

1. Molecular markers
2. *Pacholi*
3. NBPGR
4. Apomixis
5. Mist-beds
6. Natural selection
7. T-budding in Rose
8. Self-incompatibility
9. Royal FloraHolland
10. Plant domestication
11. Germplasm conservation
12. Cut flowers and loose flowers

**B. Write a critical note on any FIVE of the following 5x6=30**

1. Green houses
2. Indian seed act
3. Heterosis breeding
4. Pattern of evolution of crop plants
5. Physiological disorders in Carnation
6. Natural vegetative propagation methods
7. Backcross method and its importance

**C. Give a comprehensive account of any TWO of the following 2x10=20**

1. Role of MAS in disease and insect resistant plants
2. Cultivation, harvest and marketing of grapes
3. Types of nursery media for plant propagation

BO-0318-A