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Register Number:

DATE:22-04-2017

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

**M.Sc Botany - IV Semester**

**SEMESTER EXAMINATION – April 2017**

**BO – 0215: Plant Breeding and Propagation**

Time**: 2½ hours** Max.Marks**:70**

 ***This question paper has one printed page and three parts***

1. Write on any **TEN** of the following: **2X10**=**20**
2. Land Races
3. Gene Pool concept
4. Adventive Embryony
5. Law of Homologous Series in Variation
6. Orthodox Seeds
7. NBPGR
8. Genetic Erosion
9. Alien Addition Line
10. Vermiculite
11. Lath House
12. Homozygous balance
13. Foundation Seed

1. Write on any **five** of the following:  **5X6**= **30**
2. Breeding methods for disease resistance in plants
3. Mechanisms of Drought Resistance in plants
4. Green Houses
5. Procedure for Plant Introduction
6. Cytoplasmic Male Sterility and it’s role in plant breeding
7. Cultivation and propagation techniques of Rauwolfia and Pogostemon
8. Cuttings as a plant propagation method
9. Give a comprehensive account of any **Two** of the following:  **2x 10** = **20**
10. Types of Resistance in plants
11. Pomiculture of Grapes and apple from cultivation to marketing
12. Heterosis

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