Register Number:

Date: 11.04.2019

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**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU - 560027**

**SEMESTER EXAMINATION, APRIL 2018**

**M. Sc BOTANY: IV SEMESTER**

**BO 0215: PLANT BREEDING & PLANT PROPAGATION**

**TIME: 2 ½ hours MAX. MARKS: 70**

**Supplementary students only.**

**Please attach the question paper along with the answer script.**

***This question paper has ONE printed side and THREE sections***

***Draw diagrams wherever necessary***

1. **Write on any TEN of the following in one or two sentences: 2x10 = 20**
2. Vermiculite
3. Introgressive hybridisation
4. Phytoalexins
5. Bulk method of hybridization
6. Reasons for sterility of F1 distant hybrids
7. ‘Lean-to’ Green house
8. Apospory
9. Cytoplasmic male sterility
10. Acclimatization
11. Leaf cutting
12. Flap budding
13. Vavilov
14. **Write critical notes on any FIVE of the following : 5x6 = 30**
15. Seed Production Organisations
16. Vertifolia Effect
17. Methods of Hybridization
18. Genetic bases of Heterosis
19. Sexual and asexual reproduction methods in plant breeding
20. Germplasm Collection
21. Plant Genetic Resources
22. **Give a comprehensive account on any TWO of the following : 2x10 = 20**
23. Cultivation, management and marketing of Orchids
24. Sources of Germplasm
25. Techniques of production of Distant Hybrids

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