Date:27-6-19

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

**M.Sc. BOTANY - IV SEMESTER**

**Special Supplementary Examination, JUNE 2019**

**BO 0515 – Systematics of Angiosperms**

**Time- 2 ½ hrs Max Marks-70**

Supplementary candidates only.

Attach the question paper with the answer booklet

**This paper contains one printed page and three parts**

**Draw diagrams wherever necessary**

**A.**Answer **any ten** of the following in two to three sentences **10X2=20**

1. APG

2. Herbaria

3. Cladograms

4. JCB

5. Mitochondrial DNA in Systematics

6. Ecads

7. Abrupt speciation

8. Open ended flora

9. Lucid

10. Bessey

11. Cradle of Angiosperms

12. Cretaceous

**B.** Write critical notes on **any five** of the following**5X6=30**

13. Role of Botanical gardens

14. Plant identification packages

15. Turresons’ experiment

16. Dahlgren’s system of classification

17. Stabilization of hybrids

18.Multiple access keys

19. Insect and floral morphology evolution

**C.** Give a comprehensive account of **any two** of the following**2X10=20**

20. Protein analysis and immunological data in systematics.

21. Reproductive isolating mechanisms

22. Stachyspory – Phyllospermae theory &Coniferales – Amentiferae theory

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