

Register Number:

DATE: **-07-2022**

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU – 560 027**

**M.Sc. BOTANY – IV SEMESTER**

**SEMESTER EXAMINATION: APRIL 2022**

**(Examination conducted in July 2022)**

**BO DE 0518 - Systematics of Angiosperms**

**Time – 2 ½ hours Max Marks - 70**

**This paper contains ONE printed sheet and THREE parts**

1. **Explain/Define any TEN of the following in one or two sentences 10x2=20**
2. Cladograms
3. AFLP
4. *Durio zibethinus*
5. Open ended flora
6. GSPC
7. ANITA Grade
8. cDNA libraries
9. Ecad
10. Abrupt speciation
11. Electronic herbarium
12. GIS
13. C. E. Bessey
14. **Write critical notes on any FIVE of the following 5x6=30**
15. Thorne’s System of classification
16. Stabilization of hybrids
17. California Transect experiment
18. Plant identification packages
19. Homology Vs. Analogy in plant systematics
20. Pentoxylales theory on origin of angiosperms
21. Ecological and evolutionary species concept
22. **Give a comprehensive account on any TWO of the following 2x10=20**
23. Stachyspory-phyllospermae and Gnetalean theories on origin of Angiosperms
24. Ultrastructural details in phylogeny and immunological data in systematics.
25. Isolating mechanisms.

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