**ST JOSEPH’S UNIVERSITY, BENGALURU -27**

Registration Number:

Date & session:

**M.Sc (BOTANY) – III SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2023**

**(Examination conducted in November /December 2023)**

**BO 9123 – Taxonomy of Angiosperms and Economic Botany**

**(For current batch students only)**

**Time: 2 Hours Max Marks: 50**

**This paper contains \_\_1\_\_ printed pages and \_\_3\_\_\_ parts**

**Draw diagrams wherever necessary**

**A. Answer any FIVE of the following in two-three sentences each**  **5X2=10**

1. Massulae

2. Couplet

3. *‘nom.nud’*

4. Unilacunar nodes

5. Spirocyclic flower

6. Tetradynamous stamens

7. Botanical name and family of sandal wood

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

8. Importance of herbarium method

9. Choice and rejection of names

10. Salient features of Commelinaceae

11. Economic uses of Moraceae

12. Androecium in Amaranthaceae

13. Botanical name, common name, family, and uses of edible oils (any two)

14. Biopesticides and their uses

**C. Give a comprehensive account of any ONE of the following 1X10=10**

15. Comparative account of Verbenaceae and Lamiaceae

16. a. Salient features of Meliaceae

 b. Role of embryology in taxonomy

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| --- | --- | --- | --- | --- |
| 1 | 9 – 11 | 11 | 1 |  |
| 2 | 5 – 6  | 1 | 1 |  |
| 3 | 4- 5 | 1 |  |  |
| 4 | 32 -41 | 11 | 111 | 11 |
| 5 | 10 - 13 | 1 | 11 |  |
|  |  |  |  |  |
|  | 60 50 |  |  |  |
|  | 76 | 2 – 5 out of 7  | 5 out of 7 6m | One out of 2 10m  |