



Register Number:  
Date: 17/11/2020

**ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU-27**  
**M.Sc. BOTANY - III SEMESTER**  
**SEMESTER EXAMINATION: NOVEMBER 2020**  
**BO 9118 - Taxonomy of Angiosperms and Economic Botany**

Time- 2 ½ hrs

Max Marks-70

This paper contains ONE printed page and THREE parts  
Draw diagrams and give examples wherever necessary

**A. Define/Describe any TEN of the following**

10x2=20

1. CAL
2. Monograph
3. Basionym
4. Lectotype
5. Karyogram
6. Non-protein amino acids
7. Foliaceous Bract
8. Spike
9. Fruit of Nyctaginaceae
10. *Cocos*
11. Sal
12. Sunflower oil

**B. Write critical notes on any FIVE of the following**

5x6=30

13. State any six principles related to flowers and fruits of the plants on which Hutchinson system of classification is constructed.
14. State principles of ICN
15. Role of Palynology in Taxonomy
16. Salient features of Zingiberaceae
17. Economic importance of Lauraceae
18. Comparative account on Apocynaceae and Asclepiadaceae
19. Essential oils

**C. Give a comprehensive account of any TWO of the following**

2x10=20

20. Write a comparative account on Nymphaeaceae and Magnoliaceae
21. (i). Chemosystematics
- (ii). Outline of the system of classification of Angiosperms proposed by Takhtajan
22. Origin/distribution, botanical name, family name, useful parts & economic uses of any five spices and or condiments mentioned in your syllabus

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