

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY**

**FOURTH SEMESTER – APRIL 2018**

**16UPB4MC01– ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY**

Date: 20-04-2018

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**PART-A**

**(10 x 2 = 20 Marks)**

*Answer the following, each within 50 words.*

1. What is taxonomic hierarchy?
2. Define APG.
3. Define author citation.
4. What is molecular taxonomy?
5. Define androgynophore.
6. Comment on androecium of Annonaceae.
7. Mention the features of cyathium.
8. Define the floral morphology of Orchidaceae .
9. What are spices?
- 10 Define fibres.

**PART- B**

**(5 x 7 = 35 Marks)**

*Answer the following, each within 500 words. Draw diagrams and flowcharts wherever necessary*

11(a) Explain the importance and scope of plant taxonomy.

**(OR)**

(b) Mention about indented and bracketed keys

12(a) Write a brief note on Plant Nomenclature

**(OR)**

(b) Describe the rule of priority and its typification

13(a) Explain in detail about the flower of Capparidaceae and compare it with Anacardiaceae.

**(OR)**

(b) Describe the characteristic features of the family Fabaceae.

14(a) Explain the features and economic importance of Amaranthaceae.

**(OR)**

(b) Give an account of the flower characteristic features of the family Apocynaceae.

15(a) Write a brief note on binomial, family and uses of Indian periwinkle and sweetflag

**(OR)**

(b) Write a note on binomial family and uses of any three cereals and legumes.

*Answer any three of the following each within 1200 words. Draw diagrams and flowcharts wherever necessary*

- 16. Discuss Bentham and Hooker's system of classification. Add a notes on its merits and demerits.
- 17. Write an essay on herbarium techniques.
- 18. Discuss the salient features and economic importance of the family Nymphaeaceae.
- 19. Describe the diagnostic characters and economic importance of Solanaceae
- 20. Write detailed notes on binomial, family and economic importance of any three spices and condiments

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