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P – 5302

Reg. No. :

Name :

Second Semester M.Sc. Degree Examination, September 2022

Botany

**BO 221 : TAXONOMY OF ANGIOSPERMS, ECONOMIC BOTANY
AND ETHNOBOTANY**

(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 75

I. Write short notes on the following questions:

1. Tautonyms.
2. Ethnobotany.
3. Taxonomic literature.
4. Spices and Condiments.
5. Filing.
6. Cytotaxonomy
7. Author citation.
8. Economic botany.
9. Traditional medicines.
10. Phylogeny.

(10 × 1 = 10 Marks)

P.T.O.

II. Answer the following questions in not more than **50** words.

11. (a) What is a dichotomous key? Mention its types.

OR

(b) Distinguish between Cereals and Millets. Give examples.

12. (a) List out major contributions of William Roxburgh.

OR

(b) Explain principle of priority.

13. (a) Give the binomial, family and uses of sugarcane.

OR

(b) Give brief account on ICNCP.

14. (a) Write brief notes on pest control in herbaria.

OR

(b) Comment on the inflorescence of Araceae.

15. (a) What are herbal drugs?

OR

(b) What are OTUs?

(5 × 2 = 10 Marks)

III. Answer the following questions in not more than **150** words.

16. (a) Give an account on typification and different kinds of types.

OR

(b) What are the conditions for a valid publication?

17. (a) What are herbaria? Explain its functions.

OR

(b) Who is father of Indian Ethnobotany? Give a brief account.

18. (a) Give a brief account on tuber crops.

OR

(b) Write a brief account on numerical taxonomy.

19. (a) Give a brief account on biosystematics.

OR

(b) Comment on the floral characters of Combretaceae and give the binomial of two medicinally important taxa.

20. (a) Write a brief account on the sexual system of classification proposed by Linnaeus.

OR

(b) Explain the role of Botanical Survey of India.

21. (a) Give a brief account on Botanical gardens and their role.

OR

(b) Write a brief account on taxonomic hierarchy.

22. (a) Comment on the origin of angiosperms.

OR

(b) Write a brief account on two major timber yielding plants.

(7 × 5 = 35 Marks)

IV. Answer the following questions in not more than **250** words.

23. (a) Write an account on Ethnobotany, its objectives, significance and methods of collecting ethnobotanical data.

OR

- (b) Give an account of Takhtajan's system of classification and highlight its major merits and demerits.
24. (a) Describe the vegetative and floral characters of Orchidaceae. Add details on its salient features and economic importance.

OR

- (b) Describe the family Asteraceae in technical terms. Add details on its diagnostic characters and economic importance.

(2 × 10 = 20 Marks)
