Register Number:

Date: XX/07/2022



**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU-27**

**B.Sc. BOTANY - II SEMESTER**

**SEMESTER EXAMINATION: APRIL 2022**

**(Examination conducted in July 2022)**

**BO 218 - Fungi, Plant Pathology, Bryophytes and Anatomy**

**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. Uredospores

2. Stipe

3.Symbiosis

4.Citrus canker

5. Mycoplasma

6. Necrosis

7. Apospory

8. Septate hyphae

9.Pseudo-elaters

10.Intercalary meristems

11.Ring porous wood

12.Paratracheal parenchyma

**B. Write critical notes on any FIVE of the following 5x6=30**

13.General characteristics of Fungi.

14.Smut of Jowar.

15.Economic importance of Bryophytes.

16.Tunica-Corpus theory of shoot organization.

17.Ectomycorrhiza and its importance.

18. Vegetative reproduction in *Marchantia*.

19.Anomalous secondary growth in *Dracaena*.

**C. Give a comprehensive account of any TWO of the following 2x10=20**

20. Sexual reproduction in *Agaricus*.

21.L.S. of sporophyte of *Funaria* and discuss the dehiscence mechanism.

22.Secretory tissues; types, structure and importance.