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Register Number:

DATE: **10-04-2017**

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

**B.Sc. BOTANY – II SEMESTER**

**END SEMESTER EXAMINATION – APRIL 2017**

**BO: 215 – Fungi, Plant Pathology, Bryophytes, Plant Anatomy**

This question paper has ONE printed page and THREE parts

Instructions: *Draw diagrams and give examples wherever necessary*.

**Time: 2 ½ hours Max. Marks: 70**

1. **Answer any TEN of the following in two or three sentences: 10 x 2 = 20 marks**
2. Club root of crucifers.
3. Lenticels.
4. Soridia.
5. VAM.
6. Apical meristem.
7. Gemma cup.
8. Apotracheal parenchyma.
9. Apospory.
10. Appendiculate scales.
11. Heart wood.
12. Ascus.
13. Sclerotia.
14. **Write critical notes on any FIVE of the following: 5 x 6 = 30 marks**
15. L.S of the Sporophyte of *Anthoceros*.
16. Ectomycorrhiza and its importance.
17. Koleroga of areca and its significance in Karnataka.
18. Economic importance of fungi. (Any 6 )
19. Basidiocarp of *Agaricus*.
20. External secretory structures.
21. Extra stelar Secondary growth in dicot stem.
22. **Give a comprehensive account of any TWO of the following: 2 x 10 = 20 marks**
23. Life cycle of *Puccinia graminis* on wheat plant.
24. Theories of organization of meristems.
25. Sporophyte of *Funaria* and discuss the dehiscence mechanism.

 **BO-215-B-16**