



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – NOVEMBER 2017

17/16UPB1MC02/PB 1509 – FUNGI/MYCOLOGY

Date: 08-11-2017

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART- A

(10×2=20marks)

Answer the following, each within 50 words.

1. Define coprophilous fungi.
2. Write notes on ascomycetes.
3. What is a cleistothecium.
4. Comment on Fungi imperfecti.
5. Define Phycobiont .
6. What is bracket fungi.
7. Define YAC.
8. What is Baker's yeast.
9. Write notes on ring worm infection.
10. What is systemic mycosis.

PART- B

(5×7=35marks)

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

11. (a) Explain the various types of mycelium found in fungi.

OR

(b) Enumerate the various modes of nutrition in fungi.

12. (a) Write notes on fruiting body of *Peziza*.

OR

(b) Elaborate the asexual reproduction in *Cystopus*.

13. (a) What is a lichen. Add a note on its types.

OR

(b) What is red rot disease? Explain its life cycle.

14. (a) Discuss the application of fungi in the field of medicine.

OR

(b) Explain the importance of Vesicular Arbuscular Mycorrhiza.

15. (a) Write notes on aflatoxins.

OR

(b) Explain the disease caused by Trichophyton.

PART- C

(3×15=45 Marks)

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

16. Classify fungi based on Alexopolus and Whittaker .
17. Describe the life cycle of *Aspergillus*.
18. Explain the different types of spores present in *Puccinia*.
19. What is an antibiotic? Explain the industrial production of penicillin.
20. Elaborate on the disease Candidiasis.
