



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – NOVEMBER 2014

PB 1509 - MYCOLOGY

Date : 10/11/2014

Dept. No.

Max. : 100 Marks

Time : 01:00-04:00

PART – A

Answer the following, each within 50 words only:

(10 x 2 = 20 marks)

1. What is coenocytic mycelium?
2. What is a perfect stage?
3. What is a conidia?
4. What is asci?
5. What is a collateral host?
6. What is basidiolichen?
7. Write any two applications of yeast.
8. What is an antibiotic?
9. Name any two fungal toxin.
10. What is superficial mycosis?

PART – B

Answer the following, each answer within 500 words,

Draw diagrams wherever necessary:

(5 x 7 = 35 marks)

11. a) Write an account on the fruiting bodies of class Ascomycetes.
(OR)
b) Describe the salient features of class Basidiomycetes.
12. a) Describe the structure and importance of *Aspergillus*.
(OR)
b) Describe the structure of apothecium of *Peziza*.
13. a) Briefly describe the life cycle of *Polyporus*.
(OR)
b) Give an account on the structure and economic importance of Lichens.
14. a) Describe the structure and reproduction of yeast.
(OR)
b) Describe the industrial production of penicillin.
15. a) Describe the diagnostic methods of fungal diseases.
(OR)
b) Write an account on fungal toxins.

PART – C

**Answer any THREE of the following, each within 1200 words,
Draw diagrams wherever necessary:**

(3 x 15 = 45 marks)

16. Write an essay on the reproductive methods found in fungi.
17. Describe the life cycle of *Albugo*.
18. Explain the various types of spores produced by *Puccinia*.
19. Write an essay on the types and importance of mycorrhiza.
20. Describe systemic mycosis.

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