



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY & PLANT BIO-TECH.

FIRST SEMESTER – APRIL 2013

PB 1509 - MYCOLOGY

Date: 11/05/2013
Time: 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART – A

[10 X 2 = 20]

ANSWER THE FOLLOWING, EACH WITHIN 50 WORDS ONLY

1. What are rhizomorphs?
2. What is gametangial copulation?
3. What are phialides?
4. Write the economic importance of yeast.
5. What is haustoria?
6. Write about uredial stage?
7. What is cleistothecium.
8. Write short note on VAM.
9. What are antibiotics? Give examples.
10. What is dermatomycosis.

PART – B

[5 X 7 = 35]

ANSWER THE FOLLOWING, EACH ANSWER WITHIN 500 WORDS,
DRAW DIAGRAMS WHEREVER NECESSARY

11. a. Summarise the salient features of class Ascomycetes.

(OR)

- b. Write an account on fruiting bodies found in fungi.

12. a. Describe the structure and importance of *Rhizopus*

(OR)

- b. Describe the asexual reproduction found in *Saccharomyces*.

13. a. Describe the basidiocarp of *Polyporus*.

(OR)

- b. Write about the types and structure of lichens.

14. a. Write an account on YAC vectors and its advantages over other vectors.

(OR)

b. Briefly summarise the economic importance of fungi.

15. a. Describe the structure and diagnostic methods of *Trichophyton*.

(OR)

b. Write an account on fungal toxins.

PART – C

(3 X 15 = 45)

ANSWER ANY THREE OF THE FOLLOWING, EACH WITHIN 1200 WORDS,
DRAW DIAGRAMS WHEREVER NECESSARY

16. Write an essay on the asexual and sexual reproductive methods found in fungi.

17. Describe the life cycle of *Neurospora*.

18. Explain the life cycle of *Puccinia*.

19. Write notes on : a) Bakers yeast b) Penicillin production c) Types and importance of mycorrhizae.

20. Describe the structure, reproduction of candida and the control measures.

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