



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc., DEGREE EXAMINATION – PLANT BIOLOGY & BIOTECH.

FIRST SEMESTER – NOVEMBER 2013

PB 1509 – MYCOLOGY

Date : 14/11/2013
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART – A

ANSWER THE FOLLOWING, EACH WITHIN 50 WORDS ONLY:

(10 x 2 = 20 marks)

01. Define hypha.
02. What are haustoria?
03. Write about Sterigmata.
04. What is cruzier?
05. What is pycnidium?
06. Write notes on cup fungi.
07. Define symbiosis.
08. Write about Bakers yeast.
09. What is subcutaneous mycosis?
10. What is clinical mycology?

PART – B

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

(5 x 7 = 35 marks)

11. a) Give the criteria for classification of fungi by Alexopolous.
(OR)
b) Write down the nutrition of fungi.
12. a) Explain the asexual reproduction of *Albugo*.
(OR)
b) Enumerate the salient features in the sexual reproduction of *Rhizopus*.
13. a) Explain the life cycle of *Puccinia graminis tritici* on Wheat.
(OR)
b) What is red rot of sugarcane? Describe the life history of the pathogen.
14. a) Give an account on Mycorrhiza.
(OR)
b) List out the economic importance of fungi.
15. a) Describe the diagnosis and control measures of systemic mycosis.
(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 different types of fruiting bodies seen in fungi.
17. What are the various types of life cycle found in *Saccharomyces*? Describe them with the help of suitable diagram.
18. Explain the types, structure and reproduction of Lichen.
19. Write notes on:
 - (a) YAC vector
 - (b) Penicillin production.
20. Describe the structure, reproduction, diagnosis and control measures of *Trichophyton*.

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