



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2018

PB 5405- MEDICAL MICROBIOLOGY

Date: 08-05-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

(10 x 2 = 20 Marks)

Answer the following, each within 50 words.

1. What is iodoform?
2. Comment on membrane filtration.
3. Mention the sources of streptomycin.
4. Write the mode of action of nystatin.
5. What is agglutination reaction?
6. Write notes on macrophages.
7. Write the symptoms of amoebiasis.
8. Mention the salient features of hepatitis.
9. List the symptoms of rabies.
10. Brief about the pathogen that causes syphilis.

PART – B

(5 X 7 = 35 Marks)

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

11. (a) Write an account on phenols and alcohols in control of microbes.

Or

- (b) Briefly explain about gaseous chemosterilizers.

12. (a) Give an account on the structure and mode of action of penicillin.

Or

- (b) Write short notes on antibiotic sensitivity tests.

13. (a) Write notes on virulence factors influencing infection.

Or

- (b) Outline the external defense mechanisms.

14. (a) Give an account on systemic mycoses.

Or

- (b) Mention the pathogen, symptoms and control of cholera.

15. (a) Give the disease cycle of malaria.

Or

- (b) Briefly explain about dermatophytoses.

PART – C

(3 X 15 = 45 Marks)

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

16. Elaborate on the control of microbes by temperature and radiation.
17. What are sulfonamides? Explain its mode of action.
18. Explain about roles of normal microflora of skin.
19. Describe the pathogen, symptoms, diagnosis and control of tuberculosis.
20. Give details on the life cycle of HIV. Add a note on its diagnosis.

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