# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – **NOVEMBER 2013**

**PB 5405 - MEDICAL MICROBIOLOGY**

Date : 18/11/2013 Dept. No. Max. : 100 Marks

Time : 9:00 - 12:00

## PART A

**Answer the following, each within 50 words** **(10 x 2 = 20 marks)**

1. Define thiamine dimerization.
2. What is called gaseous chemosterilizer?
3. Comment on antifungal antibiotics.
4. Give the source and application of Cephalosporin.
5. Write notes on gas gangarine.
6. Define agglutination.
7. Mention the causal organism of chickenpox.
8. What is Histoplasmosis?
9. Write a note on DPT.
10. Comment on Hydrophobia.

## PART B **(5 x 7 = 35 marks)**

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

11. (a)Discuss radiation in the control of microbes.

(or)

(b) How alcohols are used as antimicrobial agents?

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

(or)

(b) List out the features of chemotherapeutic agents.

13. (a) Describe the normal microbial flora of intestinal tract.

(or)

(b) Write notes on any two antigen-antibody reactions.

14. (a) Give a brief account on pathogen, symptoms and control measures of amoebiasis.

(or)

(b)Mention the pathogen, symptoms and control measures of systemic mycoses.

15. (a)Write notes on the pathogen, symptoms and control measures of Typhus fever.

(or)

(b)Describe the pathogen, symptoms and control measures of Tetanus.

**PART C** **(3 x 15 = 45 marks)**

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

16. Mention the antimicrobial characteristics of phenols. Add note on phenol coefficient test.

17. How do the pathogens develop resistance against antibiotics?

18. Bring out the outlines of immunity in general.

19. Give a detailed account on the pathogen, symptoms, diagnosis and control measures of tuberculosis.

20. Elaborateon the causal organism, symptoms,diagnosis and control measures of AIDS.

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