LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2011

# PB 5405 - MEDICAL MICROBIOLOGY

 Date : 12-04-2011 Dept. No. Max. : 100 Marks

 Time : 9:00 - 12:00

 PART – A ( 10 X 2 = 20 marks)

Answer all the questions, each answer not exceeding 50 words

1. Disinfectant
2. Fumigation
3. Sulphonamide
4. Antibiotic sensitivity test
5. Resident flora
6. Skin as external defensemechanism
7. Histoplasmosis
8. Amoebiasis
9. Symptoms of Tetanus
10. Control of Rabies

 PART – B ( 5 X 8 = 40 marks)

Answer the following, each answer within 500 words only

1. A) Write about the contributions of any eight scientists to the field of medical microbiology.

 OR

 B) Discuss the importance of phenols and heavy metals in the control of microbes.

 12. A) What is chemotherapy? Write down the characterestics of a chemotherapeutic agent.

 OR

 B) What are antibiotics? Mention the source, mode of action of any four antibiotics.

 13. A) Distinguish between exotoxins and endotoxins.

 OR

 B) Write about the role of intestinal flora as normal microbial flora.

 14. A) Explain the causal organism, symptoms, treatment and control of tuberculosis.

 OR

 B) Write about the causal organism, symptoms and treatment of cholera.

 15. A) Discuss the mode of transmission, symptoms and control of syphilis.

 OR

 B) Explain the disease cycle of malaria.

 PART – C ( 2 X 20 = 40 marks)

 Answer any two of the following, each within 1500 words only

16. Write an essay on any four physical methods of control of microbes.

17. Give an outline of immunity. Write about any two antigen-antibody reactions.

18. Discuss the causal organism, symptoms, treatment and control of chicken pox.

19. Explain the mode of transmission, symptoms and prevention of AIDS.

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