

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.Sc. DEGREE EXAMINATION – MEDICAL LAB. TECHNOLOGY**

**SECOND SEMESTER – APRIL 2010**

**ML 2810 - HUMAN PATHOGENS**

Date & Time: 16/04/2010 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

Answer **ALL** questions

**PART-A**

**(10 × 2 = 20 Marks)**

1. Mention the causative organisms of Cholera and Whooping cough.
2. What is military tuberculosis?
3. Expand DPT and TCBS.
4. Differentiate macula from pustule.
5. Draw and write the morphology of herpes virus.
6. Distinguish cholecystitis from neuritis.
7. What is brucellin test?
8. What is typhus and spotted fever?
9. Define the terms endemic, epidemic and pandemic.
10. What are the symptoms of trichomoniasis?

Answer any **FOUR** questions

**PART –B**

**(4 × 10 = 40 Marks)**

11. Draw the antigenic structure and describe the clinical syndromes of *Streptococcus pyogenes*.
12. Explain the morphology, pathogenesis and clinical conditions of mumps.
13. Draw and describe the life cycle of *Taenia solium*.
14. Enumerate gaseous and chemical methods of sterilization.
15. Write short notes on genital herpes.
16. Explain the mode of transmission and pathogenesis of rabies.

Answer any **TWO** questions

**PART – C**

**(2 × 20 = 40 Marks)**

17. Describe the morphology, virulence factors and pathogenesis of *Haemophilus influenzae*.
18. Explain pathogenesis, lab diagnosis and virulence factors of *Salmonella typhi*.
19. Draw and describe the morphology, cultural characteristics and laboratory diagnosis of *Corynebacterium diphtheriae*.
20. Explain the structure, transmission and pathogenesis of AIDS.

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