LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – NOVEMBER 2010

# ML 1808 - CLINICAL BIOCHEMISTRY

Date : 30-10-10 Dept. No. Max. : 100 Marks

Time : 1:00 - 4:00

SECTION-A

**ANSWER ALL THE QUESTIONS: (10 X 2=20 Marks)**

1. Name the different zones of laboratory?

2. List down the enzymes involved in TCA cycle.

3. What is Beer’s and Lambert’s law?

4. What is PSB test?

5. What is thyroxine-binding globulin?

6. Define Achyliagastrica.

7. Write the importance of enzyme UDP-glucuranyl transferase.

8. List down the intra and extra cellular electrolytes.

9. What is chylomicron?

10. Differentiate respiratory acidosis from alkalosis.

# SECTION-B

**ANSWER ANY FOUR QUESTIONS (4 X 10=40 Marks)**

11**.** Write notes on laboratory safety management.

12. Discuss the reaction, regulation and energy production of glycolysis.

13. Enumerate the various functions and composition of electrolytes.

14. Write notes on tumour markers.

15. Explain the renal mechanism of acid base balance with suitable example.

16. Describe the pancreatic function test.

**SECTION-C**

**ANSWER ANY TWO QUESTIONS (2 X 20=40 Marks)**

17**.** Write an essay on the different laboratory hazards with suitable example.

18. Write notes on: (a) Cardiac marker and (b) TCA cycle.

19. Discuss the mechanism of blood coagulation system.

20. Describe in detail the liver function tests.

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