LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

THIRD SEMESTER – NOVEMBER 2010

# ML 3807 - FLUID ANALYSIS

Date : 29-10-10 Dept. No. Max. : 100 Marks

Time : 9:00 - 12:00

**SECTION –A**

**Answer ALL the following. 10x2=20 marks**

1. Define oligohydramnios.

2. Draw the structure of synovial joint and label its parts.

3. What is xanthochromia?

4. How interstitial fluid volume is measured?

5. Define non communicating hydrocephalus.

6. What is amniotic fluid index?

7. Define hypokalemia and mention its cause.

8. What is spermatogenesis?

9. List the three main functions of cerebrospinal fluid.

10. Define osmotic pressure.

**SECTION B**

**Answer any FOUR of the following. 4x10=40 marks**

11. Explain the electrolyte composition and electrolytic disturbances in the body fluids.

12. Describe the causes of pressure changes in csf.

13. Give an account on chromosomal abnormalities.

14. Explain blood brain barrier.

15. Give an account on chemical and serological examination of synovial fluid.

16. Describe the collection procedure and disposal of sputum sample.

**SECTION-C**

**Answer any TWO of the following. 2x20=40 marks**

17. Explain the collection procedure and findings from amniotic fluid.

18. Describe the distribution and regulation of body fluids.

19. Draw the structure of a nephron and explain the mechanism of urine formation.

20. Give a detailed account on non inflammatory joint disease.

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