 LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

THIRD SEMESTER – NOVEMBER 2012

# ML 3807 - FLUID ANALYSIS

Date : 01/11/2012 Dept. No. Max. : 100 Marks

Time : 9:00 - 12:00

**Section A**

**Answer ALL the questions: (2×10 = 20 Marks)**

1. Differentiate transudate from exudate.
2. What is ‘third space’ in fluid compartment?
3. Write the functions of amniotic fluid
4. Define AFI.
5. What is encephalitis?
6. Name any **four** diseases that can be diagnosed by CSF analysis.
7. Write the functions of fluid in the joints.
8. Draw different types of Synovial joints.
9. What is the importance of sputum culture?
10. Comment on perspiration.

**Section B**

**Answer any FOUR of the following: (4×10 = 40 Marks)**

1. How is the volume of body fluids in different compartments measured?
2. Discuss the fluid compartments in the body.
3. Write briefly the causes and treatment of Oligohydraminos.
4. Draw and explain the coverings and ventricles of the brain.
5. What is rheumatoid arthritis? Explain.
6. Draw and explain the morphology of a sperm. Add a note on the causes of abnormal sperms.

**Section C**

**Answer any TWO of the following: (2×20 = 40 Marks)**

1. Discuss dehydration and overhydration.
2. Explain amniotic fluid embolism with a neat diagram.
3. Explain Cerebrospinal fluid analysis.
4. Draw the structure of a nephron and explain the different steps involved in the formation of urine.

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