



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - MEDICAL LAB. TECHNOLOGY

THIRD SEMESTER – APRIL 2013

ML 3807 - FLUID ANALYSIS

Date : 02/05/2013
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

Section A

Answer ALL the questions

(2×10 = 20 Marks)

1. What is fluid shift?
2. Define Osmosis.
3. What is amniotic fluid? Mention its function?
4. List the chromosomal disorders that can be diagnosed through amniocentesis.
5. What are the functions of the fluid surrounding the brain.
6. Give the normal values of CSF.
7. Classify Synovial fluid in an adult knee joint
8. What is Charcot's joint?
9. Give the composition of lymph.
10. What are the **four** types of fluids that can accumulate in the pleural space?

Section B

Answer any FOUR of the following

(4×10 = 40 Marks)

11. Discuss the factors involved in the maintenance of water balance in body fluids.
12. Write notes on Polyhydramnios
13. Discuss the test for foetal lung maturity.
14. How is CSF collected? Explain.
15. What are the different types of synovial joints?
16. Write briefly on measurement of pH of gastric fluid.

Section C

Answer any TWO of the following

(2×20 = 40 Marks)

17. Explain the disturbances in Sodium balance and Potassium balance.
18. What is Karyotyping? Explain
19. Explain the formation and circulation of CSF
20. Write in detail on synovial fluid analysis.
