



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - MEDICAL LAB. TECHNOLOGY

THIRD SEMESTER – NOVEMBER 2011

ML 3807 / 3800 - FLUID ANALYSIS

Date : 31-10-2011
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Section- A

Answer **ALL** questions

(10 × 2 = 20 Marks)

1. What are the subclasses of spina bifida?
2. Define amniotic fluid index.
3. Tabulate cerebrospinal fluid supernatant colours and associated conditions.
4. Draw the distal end of spinal cord.
5. Mention the normal composition of synovial fluid.
6. List down the different types of synovial joints.
7. Distinguish transudate from exudates.
8. What are the different types of crystals seen in synovial fluid?
9. Tabulate the role of five major electrolytes found in the body.
10. What are hydraminos?

Section- B

Answer any **FOUR** of the following

(4 × 10 = 40 Marks)

11. Write notes on chromosomal abnormalities.
12. How is CSF formed and circulated?
13. Elaborate the different tests used to find the maturity of foetus.
14. What is osteoarthritis? Explain.
15. Explain gastric fluid analysis.
16. Write notes on the regulation of fluid gain and fluid loss.

Section- C

Answer any **TWO** of the following

(2 × 20 = 40 Marks)

17. Write short notes on: alphafetoprotein, acute chorioamnionitis, foetal lung maturity and haemolytic disease of the newborn.
18. How is spinal tap performed? Explain Hydrocephalus.
19. Explain the method of semen analysis.
20. Discuss the physiology of urine formation.
