



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – MEDICAL LAB TECHNOLOGY

THIRD SEMESTER – NOVEMBER 2014

ML 3811 - FLUID ANALYSIS AND HUMAN DISORDERS

Date : 30/10/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

SECTION –A

Answer ALL the questions:

(10 X 2=20 Marks)

1. Mention the abnormalities associated with abnormal fluid volume regulation.
2. Name the solutes in extracellular and intracellular fluids.
3. Write the chemical composition of gastric fluid.
4. Mention the major categories of drugs used to treat rheumatoid arthritis.
5. What are the specimen collection procedures used for amniotic and cerebrospinal fluids?
6. Comment on Starling's equation.
7. Write the characteristic features of Haemophilia.
8. What are the causative factors for Down's syndrome and Cri-du-chat syndrome?
9. Identify the symptoms associated with Vit K and Vit D deficiencies.
10. Enumerate the types of paraesthesia.

SECTION B

Answer any FOUR of the following:

(4 X 10 =40 Marks)

11. Describe the causes and symptoms of neurogenic joint disease.
12. Explain the movement of fluid among compartments.
13. Write an account on neural tube defects.
14. Discuss causes, symptoms and clinical features associated with colour blindness.
15. Elaborate cytological examination and clinical correlation of CSF.
16. Give an account on deficiency diseases.

SECTION-C

Answer any TWO of the following:

(2 X 20=40 Marks)

17. Explain the formation, specimen collection and clinical correlation of sputum.
18. Describe the methods adopted for measuring body fluids.
19. Give an account on the formation, function of amniotic fluid and also the Haemolytic disease of the Newborn.
20. What are neurodegenerative diseases? Discuss in detail.
