

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – MEDICAL LAB TECHNOLOGY

THIRD SEMESTER – NOVEMBER 2019

18PML3MC02 – CLINICAL PATHOLOGY

Date: 31-10-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Answer ALL the questions

PART A

10x2=20 marks

1. Define arthrocentesis.
2. Differentiate hypertonicity from hypotonicity.
3. Comment on anencephaly.
4. Write a note on liquefaction of semen.
5. How CSF is produced in the human?
6. Comment on lupus arthritis.
7. What is hypersthenuria?
8. List the commonly used preservatives for 24 hours urine specimen.
9. Mention the causes for increase in intracranial pressure.
10. What is hypernatremia?

Answer any FOUR of the following

PART B

4x10=40 marks

11. How will you measure the compartment of body fluids?
12. Give an account on amniocentesis.
13. Describe the classes of effusions and clinical correlation of cell types in serous fluids.
14. Illustrate and add a note on the cells, crystals and casts found in urine.
15. Give an account on antisperm antibodies.
16. Write the significance of a) Hypercalcemia b) Hyponatremia.

Answer any TWO of the following

PART C

2x20=40 marks

17. Discuss the formation, method of collection, storage and preservation of sputum.
18. Draw the structure of nephron and explain the steps involved in the urine formation.
19. Give a detailed account on inflammatory joint disease.
20. Elaborate the formation, specimen collection and gross examination of cerebrospinal fluid.
