

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034
M.Sc. DEGREE EXAMINATION – FOOD CHEMISTRY&FOOD PROCESSING
SECOND SEMESTER – APRIL 2010
ZO 2902 - MEDICAL LAB. TECHNOLOGY

Date & Time: 26/04/2010 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART – A

Answer **ALL** the questions

10 x 2 = 20 Marks

1. Write the composition of blood plasma.
2. What is pluripotential stem cell?
3. Write the normal values of MCH, MCV, MCHC and Hb.
4. Draw the structure of different types of white blood cells.
5. What is oliguria, anuria and polyuria?
6. What are polyhydramnios and oligohydramnios?
7. Name the preservatives used for urine analysis.
8. What is CPD? Write the functions.
9. Write down the composition of normal CSF.
10. Comment on Rothera's test.

PART – B

Answer any **FOUR** questions

4 x 10 = 40 Marks

11. What is haemostasis? Write the mechanism of blood coagulation system.
12. Enumerate the microscopical examination of sperms.
13. Explain briefly the causes and complications of hyper and hypoglycemia.
14. Discuss the types, characteristics and functions of culture media.
15. Write in detail the ABO blood grouping system.
16. Write short notes on examination of sputum sample in a laboratory.

PART – C

Answer any **TWO** questions

2 x 20 = 40 Marks

17. Discuss in detail different types of anemia.
18. Write the principle, procedure and clinical significance of blood sugar estimation.
19. What is antiseptic? Explain the types of sterilization methods.
20. Write short notes on Amniotic fluid and CSF.
