



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - BIOTECHNOLOGY

THIRD SEMESTER – NOVEMBER 2011

ZO 3900 - MEDICAL LABORATORY TECHNOLOGY

Date : 12-11-2011
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Section – A

Answer **ALL** the questions.

2 x 10 = 20 Marks

1. Differentiate disinfectant from antiseptic.
2. Draw and label the different types of granulocytes.
3. Define occult blood.
4. List down any two urinary diseases.
5. Differentiate oliguria from anuria.
6. Name the transmissible diseases through blood transfusion.
7. Differentiate RBC from reticulocyte.
8. Define voluntary and replacement donor.
9. What is polymorphonuclear cell?
10. Differentiate hypoglycemia from hyperglycemia.

Section – B

Answer any **FOUR** of the following

4 x 10 = 40 Marks

11. Demonstrate Rh typing by tube method.
12. Describe ABO blood grouping by tube method.
13. Give an account on various methods of sterilization.
14. Write notes on equipments used in blood collection procedures.
15. Demonstrate blood glucose estimation.
16. Elaborate the types of anaemia.

Section – C

Answer any **TWO** of the following

2 x 20 = 40 Marks

17. Write an essay on urine analysis.
18. Give an account on components of blood and their function.
19. Explain the process of blood transfusion.
20. Explain haematopoiesis with a flow chart.
