LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**M.Sc.** DEGREE EXAMINATION - **BIOTECHNOLOGY**

THIRD SEMESTER – NOVEMBER 2010

# ZO 3900 - MEDICAL LABORATORY TECHNOLOGY

Date : 13-11-10 Dept. No. Max. : 100 Marks

Time : 9:00 - 12:00

## *Part A (Answer All) 10 × 2 = 20*

1. List the properties of CSF.
2. Differentiate antiseptics from disinfectants.
3. Comment on amniotic fluid.
4. Write the procedure for estimation of SGPT.
5. Expand: GnRH, LH, FSH and GH.
6. Define the process of TURP.
7. Differentiate cephalic from peripheral blood collection.
8. Enumerate the functions of platelets.
9. Distinguish microhaematocrit from macrohaematocrit.
10. Define platelet activation.

### *Part B (Answer any four) 4 × 10 = 40*

1. Describe in brief the estimation of RBC count.
2. Write notes on types of anaemia.
3. Give a brief account on blood sugar estimation.
4. Write notes on red cell indices.
5. Describe the estimation of ESR.
6. Give a brief account on haemoglobin estimation.

***Part C (Answer any two) 2*** *×* ***20 = 40***

1. Give a detailed account on physical and chemical sterilization.
2. Explain the collection of blood.
3. Describe in detail various steps of homoeostasis.
4. How will you identify ABO blood group and Rh type? Write the clinical significance of blood grouping.

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