

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – MEDICAL LAB. TECHNOLOGY

FIRST SEMESTER – APRIL 2010

ML 1810 - HAEMATOLOGY

Date & Time: 29/04/2010 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART A

Answer **ALL** the questions

10x2=20 marks

1. Expand EQA, SOPs, QC and QA
2. Define Heinz bodies.
3. Differentiate leukocytosis from leucopenia.
4. How endosmosis damages RBC?
5. Distinguish quality control from quality assurance.
6. What is rouleaux formation?
7. Distinguish hypochromic from hyperchromic cell.
8. Enumerate routine coagulation tests.
9. What is autoimmune disease?
10. Differentiate thrombocytopenia from thrombocytosis.

PART B

Answer any **FOUR**

4 x 10 = 40 marks

11. Write notes on principle and clinical significance of eosinophil count.
12. Describe in short the principle and procedure for osmotic fragility test.
13. What is anaemia? Write notes on any four types of anaemia.
14. Describe briefly the procedure and clinical significance of bleeding time.
15. Enumerate the clinical importance and procedure of activated partial thromboplastin time.
16. What are red cell indices? Comment on calculation and normal value of red cell indices.

PART C

Answer any **TWO**

2 x 20 = 40 marks

17. Describe in detail the components of blood.
18. Explain in detail any two cytochemical tests.
19. Discuss the principle, procedure and clinical importance of differential count with diagrams of various blood cells.
20. Give a detailed account on any two blood parasites.
