

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**FIFTH SEMESTER – NOVEMBER 2016**

**AZ 5403 – MEDICAL LABORATORY TECHNIQUES**

Date: 11-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**Section -A**

**Answer ALL the questions**

**(10x2=20)**

1. What is Kernicterus?
2. State the significance of blood pressure monitor.
3. Define hematocrit.
4. Define autopsy & biopsy.
5. State the objectives of fixation.
6. Comment on Pernicious anemia.
7. What is Diapedesis?
8. Draw any four white blood cells.
9. What are good laboratory practices?
10. State the significance of treadmill test.

**Section -B**

**Answer any FOUR questions**

**(4x10=40)**

11. A Rh<sup>+</sup> man marries a Rh<sup>-ve</sup> woman. Elaborate the genetic impact.
12. Given an account on bleeding disorder of man.
13. How hemoglobin can be estimated calorimetrically? & clinical significance.
14. Explain the mechanism & applications of MRI scan.
15. Explain the important stages of hemostasis with flowchart.
16. Explain the life cycle, symptoms & prevention of Entamoeba histolytica

**Section -C**

**Answer any TWO questions**

**(2x20=40)**

17. Discuss the factors involved in the mechanism of blood coagulation.
18. Elaborate the stages and process of human hemopoietic system.
19. Write an essay on various types of anemia and its classification.
20. Explain the histopathological process with illustration.

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