



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

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

**FIFTH SEMESTER – NOVEMBER 2022**

**UAZ 5601 – MEDICAL LAB TECHNIQUES**

Date: 30-11-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

**PART –A**

**Answer ALL the questions**

**(10x2=20 Marks)**

1. Define autopsy & biopsy.
2. Define Hematocrit value.
3. Draw and comment on blood pressure monitor.
4. What is embolism?
5. What is the PQRST series of waves?
6. Comment on amoebiasis and its treatment.
7. Mention the significance of treadmill test.
8. Enumerate the clinical significance of ESR test.
9. Mention the importance of cryostat.
10. Define bleeding time and clotting Time.

**PART –B**

**Answer any FOUR questions**

**(4x10=40 Marks)**

11. Explain the procedure and mechanism of MRI scan with illustration.
12. Write the procedure and signification of estimation of hemoglobin.
13. Explain the categories of waste and add a note on segregation of solid biomedical waste.
14. Discuss the life cycle, treatment and control measures of malaria.
15. Give an account on bleeding disorders of man.
16. Explain the procedure, normal value & clinical significance of total RBC.

**PART –C**

**Answer any TWO questions**

**(2x20=40 Marks)**

17. Classification of anemia based on the morphological & etiological- Discuss.
18. Mechanism of blood coagulation-Elaborate.
19. Explain the histopathological process with illustration.
20. Comment on a) Ultrasound b) ECG.

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