



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2019

16/17UZO5ES01 – MEDICAL LABORATORY TECHNIQUES

Date: 06-11-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Section -A

Answer all the Questions

(10 x 2 = 20)

1. What is Embolism?
2. Define Bleeding time and Clotting Time.
3. Write a note on preventive measure for dengue fever
4. Distinguish bradycardia from tachycardia.
5. What are the harmful effects of junk food?
6. Define autopsy and biopsy.
7. State the significance of sphygmomanometer.
8. Draw the life cycle of *Entamoeba histolytica*.
9. Write a note on cryostat.
10. Define Packed Cell Volume.

Section –B

Answer any Four Questions

(4 x10 =40)

11. Illustrate and explain the procedure and mechanism of MRI scan.
12. Give an account on bleeding disorders of man.
13. Explain the procedure, normal value and clinical significance of RBC.
14. Explain the calorimetric estimation of Hb? Write an account on its clinical significance.
15. Explain the important stages of hemostasis with flowchart.
16. Comment on: a) ECG or b) Laboratory safety measures.

Section –C

Answer any Two Questions

(2x20 =40)

17. Discuss intrinsic and extrinsic factors involved in blood coagulation mechanism.
18. Illustrate and explain in detail the histopathological processes.
19. Write an essay on types and classification of anemia.
20. Discuss the following in detail:
a) Computed Tomography b) Life cycle of *Plasmodium vivax*.
