



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2017

16PZO2ES02- CLINICAL LAB TECHNOLOGY

Date: 28-04-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Section -A

1. Answer all the Questions(10 x2 =20)
2. Define Erythropoietin
3. Define autopsy & biopsy.
4. Comment on blood pressure monitor.
5. State the significance of flowcytometry
6. What are the objectives of Fixation?
7. Define Hematocrit.
8. Define biomedical waste.
9. What is Rouleux formation?
10. Mention the importance of freezing microtome.
11. Comment on Neubauer chamber.

Section –B

Answer any Four Questions

(4 x10 =40)

11. Explain the life cycle, symptoms & prevention of *Entamoeba histolytica*.
12. Explain the procedure and mechanism of MRI scan with illustration.
13. Discuss the electrical activity of the brain wave pattern & application of EEG.
14. Give an account on bleeding disorders of man.
15. Explain the procedure, normal value & clinical significance of RBC.
16. How hemoglobin can be estimated calorimetrically? Add its clinical significance

Section –C

Answer any Two Questions

(2x20 =40)

17. Explain the histopathological process of tissue preparation with illustration.
18. Write an essay on various types of anemia and its classification.
19. Discuss intrinsic & extrinsic factors involved in the blood coagulation mechanism.
20. Comment on: A) Ultrasonography B) Life cycle of *Plasmodium vivax*.

\$\$\$\$\$\$\$\$