



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2018

17PZO2ES02- CLINICAL LAB TECHNOLOGY

Date: 25-04-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Section-A

Answer All the Questions

(10 x 2 = 20)

1. Define Hematocrit.
2. State the significance of sphygmomanometer.
3. Distinguish between MRI from CT scan.
4. List out the precautions for avoiding accidents in the laboratory.
5. What is Embolism?
6. Mention the importance of cryostat.
7. Comment on treadmill test.
8. Draw and comment on different types of WBC cells.
9. Define Pyknosis.
10. State the significance of flow cytometry.

Section-B

Answer Any Four Questions

(4 x 10 = 40)

11. Discuss the process of hemodialysis and peritoneal dialysis.
12. Explain the category, colour coding & treatment of disposal biomedical waste.
13. Write the procedure and mechanism of ultrasound.
14. Give an account on bleeding disorders of man.
15. How hemoglobin can be estimated colorimetrically? Add its clinical significance.
16. Explain the electrocardiogram wave forms & applications.

Section-C

Answer any Two Questions

(2 x 20 = 40)

17. Discuss the factors involved in the mechanism of blood coagulation.
18. Elaborate the tissue processing for histopathological techniques by manual methods with illustrations.
19. Explain the classification of anemia based on the morphological & etiological methods.
20. Comment on a) PET scan b) Entamoebahistoltytica.

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