



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2022

PZO 2602 – CLINICAL LAB TECHNOLOGY

Date: 24-06-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

Section –A

Answer all the questions

(10x2=20)

1. Define Hematocrit value.
2. Draw and comment on blood pressure monitor.
3. What is embolism?
4. Distinguish hemodialysis from peritoneal dialysis.
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. Define autopsy & biopsy.
10. Mention the importance of cryostat.

Section –B

Answer any four questions

(4x10=40)

11. Explain the procedure and mechanism of MRI scan with an illustration.
12. Write the procedure for the estimation of hemoglobin and add a note on its significance.
13. Explain the category of waste and segregation of solid biomedical waste.
14. Explain the life cycle of *Leishmania* and add a note on its prophylactic measures.
15. Give an account on bleeding disorders of man.
16. Explain the procedure for RBC count and mention the normal value & clinical significance.

Section –C

Answer any two questions

(2x20=40)

17. Discuss hematopoiesis.
18. Elaborate the mechanism of blood coagulation.
19. Explain the histopathological process with illustration.
20. Comment on a) Ultrasound b) EEG.

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