



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2019

16UZO5ES01– MEDICAL LABORATORY TECHNIQUES

Date: 24-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Section -A

Answer all the questions

(10x2=20)

1. Write the control measures of Dengue.
2. Define packed cell volume.
3. Draw and comment on blood pressure monitor.
4. Define Pyknosis.
5. Define kernicterus.
6. Enumerate the clinical significance of ESR test.
7. What is embolism?
8. Mention the important of fixation.
9. What are the harmful effects of junk food?
10. State the significance of Cryostat.

Section -B

Answer any four questions

(4x10=40)

11. Give an account on bleeding disorder of man.
12. Explain the procedure, formula & clinical significance of total RBC count.
13. A Rh⁺ve man marries a Rh⁻ve woman. Elaborate the genetic impact.
14. Explain the mechanism & applications of MRI scan.
15. Discuss the life cycle & control measures of Entamoeba histolytica.
16. How haemoglobin can be estimated calorimetrically? & add clinical significance.

Section -C

Answer any two questions

(2x20=40)

17. Discuss the factors involved in the mechanism of blood coagulation.
18. Comment on a) Ultrasound b) Plasmodium Life cycle.
19. Explain the histopathological process with illustration.
20. Explain the classification and different types of anemia with illustration.
