



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2017

AZ 5403 - MEDICAL LABORATORY TECHNIQUES

Date: 15-11-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Section -A

Answer all the questions

(10x2=20)

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

Section -B

Answer any four questions

(4x10=20)

11. A Rh⁺ve man marries a Rh⁻ve woman. Elaborate the genetic impact.
12. Give an illustration and explanation of cardiac cycle.
13. Explain the mechanism & applications of MRI scan.
14. Discuss the life cycle & control measures of *Entamoeba histolytica*.
15. Given an account on bleeding disorder of man.
16. How hemoglobin 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. Explain the histopathological process with illustration.
19. Elaborate the stages and process of human hemopoietic system.
20. Explain the classification and different types of anemia with illustration.
