



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - ZOOLOGY

FOURTH SEMESTER – APRIL 2013

ZO 4955 - MEDICAL LAB TECHNOLOGY

Date : 03/05/2013

Dept. No.

Max. : 100 Marks

Time : 1:00 - 4:00

SECTION -A

Answer ALL the questions

(10 × 2 = 20 Marks)

1. Define packed cell volume.
2. What is kernicterus?
3. State the significance and normal value of ESR.
4. Draw a neat labeled diagram of HIV.
5. What is Widal test?
6. Comment on blood glucometer.
7. Define Candidiasis.
8. What is Mycetoma?
9. Enumerate the importance of Euthanasia.
10. What is Elephantiasis?

SECTION-B

Answer any FOUR questions

(4 × 10 = 40 Marks)

11. How do you find C-reactive protein in human serum? Give the normal value.
12. Explain the microscopic examination of urine analysis.
13. Give an account on bleeding disorder of man.
14. How haemoglobin can be estimated calorimetrically? Add its clinical significance.
15. Explain the procedure involved in the estimation of alkaline phosphates.
16. Write note on: a) Hematocrit and b) Erythrocyte sedimentation Rate.

SECTION-C

Answer any TWO questions.

(2 × 20 = 40 Marks)

17. Explain the life cycle of malarial parasite and explain, treatment, diagnosis and prevention of malaria.
18. Elaborate the inheritance and genetic impact of Rhesus factor.
19. Explain the life cycle, treatment and prevention of *Taenia solium*.
20. Write the procedure, normal value, formula and clinical significance of total RBC and WBC count.
