



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - ZOOLOGY

FIRST SEMESTER – NOVEMBER 2011

ZO 1817 - HISTOCHEMISTRY & MICROTÉCHNIQUE

Date : 11-11-2011

Dept. No.

Max. : 100 Marks

Time : 1:00 - 4:00

PART – A

Answer ALL the questions. Each question carries TWO marks.

(10 x 2 = 20 Marks)

01. What is biopsy?
02. Comment on quenching.
03. What is freeze drying?
04. Comment on vital staining.
05. Differentiate between honing and stropping.
06. What is mordant?
07. Comment on keratin.
08. What is photomicrography?
09. Comment on metachromasia.
10. Expand: DPX & ICMR.

PART – B

Answer any FOUR questions. Each question carries TEN marks.

(4 x 10 = 40 Marks)

11. Classify proteins and give an account of Ninhydrin-Schiff method.
12. Explain the procedure involved in the dry mount of insects.
13. Describe the working principle of Scanning Electron Microscope.
14. Give an account on Cryostat and its applications.
15. Classify lipids and describe Sudan Black B method.
16. Describe the whole mount of soil microarthropods.

PART – C

Answer any TWO questions. Each question carries TWENTY marks.

(2 x 20 = 40 Marks)

17. Describe Radio Active Labeling and its uses.
18. Explain the procedure involved in paraffin Microtomy.
19. Give an account on Fluorescent microscopy and its applications.
20. Describe the different steps involved in Ultra Microtomy.
