



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – MEDICAL LAB TECHNOLOGY

FOURTH SEMESTER – APRIL 2016

ML 4816 - HISTOPATHOLOGY AND MODERN DIAGNOSTICS

Date: 21-04-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Answer ALL the questions

PART A

10 x 2 = 20 Marks

1. Differentiate stropping from honing.
2. What is trimming?
3. Why do we dehydrate the tissue?
4. Define embedding.
5. Distinguish incisional biopsy from excisional biopsy.
6. Differentiate moderent from fixative.
7. What is deparaffinization?
8. Comment on electric saw.
9. Define differentiation.
10. Name various types of embedding medium.

Answer any FOUR of the following

PART B

4 x 10 = 40 Marks

11. Write short notes on the instruments required for grossing.
12. Describe microphotography.
13. Explain the different methods of decalcification.
14. Write short notes on the techniques for sectioning.
15. Describe the types of microtome.
16. Write short notes on the types of cytological specimens.

Answer any TWO of the following

PART C

2 x 20 = 40 Marks

17. Give a detailed account on hematoxillin and eosin staining.
18. Describe the tissue paraffin block making.
19. Give detailed account on cryostat.
20. What is FNAC? Explain the preparation of smear and staining technique.
