 LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**M.Sc.** DEGREE EXAMINATION - **MEDICAL LAB. TECHNOLOGY**

FOURTH SEMESTER – APRIL 2012

# ML 4811/4807 - HISTOPATHOLOGY AND ESSENTIALS OF LAB

Date : 20-04-2012 Dept. No. Max. : 100 Marks

Time : 1:00 - 4:00

***Answer ALL the questions:* PART A 2x10=20 marks**

1. Differentiate histopathologist from histotechnologist.
2. How will you calculate the concentration of unknown sample in titrimetric analysis?
3. List down any FOUR requirements for dissection room.
4. Define excisional biopsy.
5. What is bevel?
6. Define normal solution.
7. What is stropping?
8. Comment on vital stains. Give 2 examples.
9. How will you check sharpness of knife?
10. What is infiltration?

**Answer any FOUR: PART B 4x10=40 marks**

1. Give an account on tissue processing.
2. Write notes on types of mountants.
3. Describe the various steps involved in tissue fixation.
4. Give an account on section cutting and enumerate the problems encountered.
5. Describe various biopsy techniques.
6. Write briefly on the different types of reagents and solutions.

**Answer any TWO: PART C 2x20=40 marks**

1. Elaborate quality control of laboratory findings.
2. Write an essay on handling of histological specimen.
3. Discuss the types of microtomes and section cutting.
4. Explain in detail the methods of examination of tissue.

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