



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

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

**FIRST SEMESTER – NOVEMBER 2013**

**ML 1811 - FUNDAMENTALS OF MEDICAL LABORATORY TECHNOLOGY**

Date : 05/11/2013

Dept. No.

Max. : 100 Marks

Time : 1:00 - 4:00

**SECTION – A**

**Answer ALL the questions**

**(10 x 2 = 20 Marks)**

1. What are the different steps in effective handwashing?
2. What is the first aid for acid burns?
3. Differentiate sterilisation from disinfection.
4. Mention the different types of pipettes.
5. Define Beer Lambert's law.
6. Define wavelength.
7. What is coagulation?
8. Give the modifications used in a dark field and phase contrast microscope.
9. What are the characteristics of acids?
10. Define normality.

**SECTION – B**

**Answer any FOUR of the following**

**(4 x 10 = 40 Marks)**

11. Enumerate the code of conduct for medical lab personnel.
12. Explain the safety measures to be followed while handling chemicals.
13. Describe the parts and uses of a light microscope.
14. Draw and explain water distillation unit.
15. Write notes on the different anticoagulants used in a laboratory.
16. What is a clinical record And mention the steps to be followed in maintaining it.

**SECTION – C**

**Answer any TWO of the following**

**(2 x 20 = 40 Marks)**

17. Explain in detail on sterilisation by moist heat.
18. List the different types of centrifuges. Explain its principle and working.
19. What are the different staining procedures? Add a note on the principle of acid fast staining and Gram staining.
20. Discuss in detail the collection of CSF, Amniotic fluid and Synovial fluid.

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