

UNIVERSITY OF JAFFNA, SRI LANKA  
 BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES  
 THIRD YEAR FIRST SEMESTER EXAMINATION- OCTOBER 2019

MLSMT 3144 MEDICAL LABORATORY TECHNOLOGY 2

Date: 04.11.2019

Time: 3 Hours

ANSWER ALL EIGHT QUESTIONS.

1.
  - 1.1 Name five biohazardous wastes in a clinical laboratory. (10 Marks)
  - 1.2 List the items included in a biohazardous spill kit. (30 Marks)
  - 1.3 Write down the steps which could be taken to clean up a blood spill on the working bench in a laboratory. (30 Marks)
  - 1.4 Briefly discuss the precautions taken while handling of biohazardous Specimens. (30 Marks)
  
2.
  - 2.1 Name the blood borne pathogens. (10 Marks)
  - 2.2 Briefly describe the transmission of the pathogens mentioned in 2.1. (30 Marks)
  - 2.3 Discuss the factors which influence the risk of infection of blood borne pathogens following an accidental exposure. (40 Marks)
  - 2.4 Write down the steps that should be followed after an occupational exposure of blood borne pathogen. (20 Marks)
  
3. Write an account on
  - 3.1 Storage of chemicals in a laboratory. (50 Marks)
  - 3.2 Triple packaging system. (50 Marks)
  
4. Discuss the following standard precautions followed in a laboratory.
  - 4.1 Hand washing (30 Marks)
  - 4.2 Using personal protective equipment (40 Marks)
  - 4.3 Waste disposal (30 Marks)

5. Write notes on
- 5.1 Good laboratory practice. (50 Marks)
  - 5.2 Causes for electrical hazards in a clinical laboratory (50 Marks)
- 6.
- 6.1 Name the equipments which could cause occupational injuries in a clinical laboratory. (20 Marks)
  - 6.2 Discuss the hazards which may encountered while using the equipments mentioned in 6.1. (30 Marks)
  - 6.3 Briefly discuss the safety equipments that could be used in a clinical laboratory to minimize the occupational hazards. (50 Marks)
- 7.
- 7.1 List the sources of fire hazards in a clinical laboratory (20 Marks)
  - 7.2 Briefly discuss the instances that cause fire hazards in a clinical Laboratory. (40 Marks)
  - 7.3 Discuss on prevention and control of fire hazard in a clinical laboratory.(40 Marks)
- 8.
- 8.1 Differentiate Biosafety level 2 and 3 laboratory containment facilities. (60 Marks)
  - 8.2 Discuss the safety guidelines for handling Biosafety level 4 agents. (40 Marks)