

The Open University of Sri Lanka

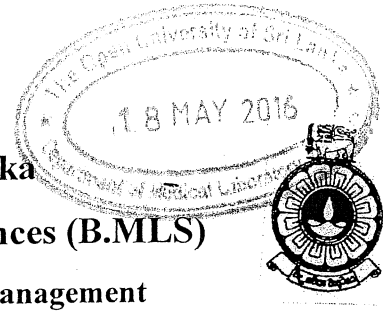
Bachelor of Medical Laboratory Sciences (B.MLS)

MLU1246- Principles of Laboratory Management

Semester 02- Academic year 2015/2016

No Book Test 02

Return your question paper with the answer sheet



Date: 18.05.2016

Duration – 1 1/2 hours

Time: 1.30 p m - 3.00 p m

Registration No.....

Please read the following instructions carefully before you answer the paper.
(100 marks)

Part A: Multiple Choice Questions (20 marks)

There are ten (10) multiple choice questions in this paper, each question with five responses. Select the correct response and mark in the question paper itself.

Part B: True / False Questions (10 marks)

You are given ten (10) True / False questions. State whether they are “True” or “False” by underlining the correct response.

Part C: Short Answer Questions (50 marks)

You are given two (02) short answer questions. Answer all the questions in given spaces.

Part D: Essay Question (20 marks)

There is only one (01) Essay Question. Answer the question in given papers.

Good Luck!

Part B –True/ False questions (10 Marks)

State whether following statements are **True**” or **False**” by **underlining** the correct response.

- 01 Clean glassware will have a uniformly wetted surface after the final rinse. (True/ False)
- 02 In an automatic pipette washer pipettes should be placed vertically and tips should be placed downwards at the bottom of the main cylinder. (True/ False)
- 03 When using new glassware they should be first soaked for considerable hours in acid water prior washing. (True/ False)
- 04 Silicone and rubber components may absorb cleaning solutions and disinfectants, which may leak out during usage. (True/ False)
- 05 Contaminated glassware such as specimen containers and glassware used in microbiological work must be autoclaved after cleaning. (True/ False)
- 06 Water or foam should never be used in an electrical fire. (True/ False)
- 07 Ashing of glassware is done to recycle them when they cannot be used further. (True/ False)
- 08 Fuel, ignition and oxygen are known as fire triangle. (True/ False)
- 09 Mineral Deposits in a glassware are best removed by conc. NaOH. (True/ False)
- 10 "Universal Precautions" are intended to prevent exposures to blood borne pathogens. (True/ False)

Part C – Short Answer Questions (50 marks)

Answer all the questions.

1.

1.1. Name Five (05) types of laboratory hazards and main causes which lead to them.

(05 marks)

| Laboratory Hazards | Main causes |
|--------------------|-------------|
| i. | |
| ii. | |
| iii. | |
| iv. | |
| v. | |

1.2. State how different kinds of spills should be handled in a medical laboratory.

(05marks)

i. Minor blood spillage

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ii. Major blood spillages

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1.3. What are the main characteristics that have been taken into consideration when classifying microorganisms in to risk groups 1 to 4?

(6 marks)

| Risk Group | Characteristics |
|------------|-----------------|
| 1 | |
| 2 | |

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|---|--|
| 3 | |
| 4 | |

1.4. List the basic steps in Cardio Pulmonary Resuscitation (CPR) procedure? (05marks)

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1.5. State how would you give first aid to a person who had a chemical burn in a laboratory? (04 marks)

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2.

2.1. List the important steps of cleaning of the following items. (08 marks)

i. Glass slides

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ii. Cover slips

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iii. Burettes

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iv. Culture plates

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2.2. List the important steps of removing following items from laboratory glassware

(08 marks)

i. Water insoluble solutions

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ii. Grease

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iii. Weak acids

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iv. Strong bases

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2.3. What is the importance of keeping records of laboratory accidents? (04 marks)

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2.4. Make a list of possible steps that can be taken to minimize laboratory accidents? (05 marks)

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Part D –Essay Question (20 marks).

1. Laboratory safety is a main concern of a medical laboratory which needs careful attention. Write an essay (Maximum of 150 words) on laboratory safety precautions paying attention to different aspects of safety and general measures for laboratory safety.

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