



BACHELOR OF MEDICAL LABORATORY SCIENCES - LEVEL 04 - 2018/19
 MLU2146 – MICROBIAL ANALYSIS OF FOOD AND WATER
 FINAL EXAMINATION

DATE: 26th November 2019

DURATION: TWO HOURS

TIME: 1.30 pm – 3.30 pm

Part B – Short Answer Questions

(40 marks) Write answers in the space provided.

1. 1.1 List two (2) types of food spoilage [4 marks]

i.

ii.

1.2 Name three (3) types of organism which cause microbial food spoilage [6 marks]

i.

ii.

iii.

2. 2.1 Define reference pathogen [3 marks]

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2.2 Give an example for common reference pathogen used in Sri Lanka [3 marks]

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3. 3.1 Briefly describe chromogenic media [3 marks]

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3.2 Briefly explain the principle behind the chromogenic media [3 marks]

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4. 4.1 Define food borne diseases [3 marks]

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4.2 List three (3) types of food borne diseases on the basis of mode of illnesses [6 marks]

- i.
- ii.
- iii.

5. 5.1 Briefly explain mycotoxin [3 marks]

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.....

5.2 List three (3) properties of mycotoxin [6 marks]

- i.
- ii.
- iii.

iii

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Part C – Essay Questions

(30 marks)

Answer ONLY two (02) questions out of three (03) questions. Write answers in separate sheets.

1. Discuss the importance of the use of indicator organism instead of pathogens in detection of water quality. [15 marks]
2. Explain the method of detection of *Salmonella* using conventional method [15 marks]
3. Write an essay on food borne infections [15 marks]