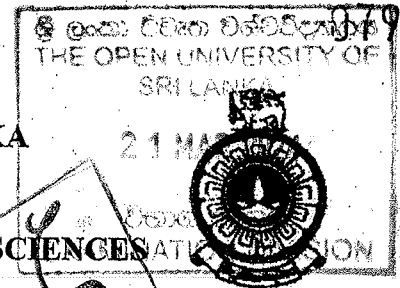


THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY SCIENCES
ACADEMIC YEAR 2023/2024 – SEMESTER I



BACHELOR OF MEDICAL LABORATORY SCIENCES (BMLS) HONOURS
MDU5206- CYTOLOGY

FINAL EXAMINATION

DURATION: 2 HOURS

DATE: 21st March 2024

TIME: 01.30 PM – 03.30 PM

INDEX NO:

Part B: Structured Essay Questions (60 marks)

Q1

1.1 List three (03) advantages of cytology. (03 marks)

- i.
- ii.
- iii.

1.2 Define the term “fixation”. (05 marks)

1.3 Briefly explain the three (03) types of fixation methods used in cytology. (08 marks)

1.4 List four (04) precautions to be taken in cytological sample processing to obtain a well stained smear. (04 marks)

- i.
- ii.
- iii.
- iv.

(20 marks)

Q2.

2.1 List two (02) advantages and disadvantages of cervical screening. (04 marks)

Advantages:

- i.
- ii.

Disadvantages:

- i.
- ii.

2.2 List two (02) patient preparations required for pap smear collection. (04 marks)

- i.
- ii.

2.3 Briefly explain the characteristic morphological features which help in the identification of the following two cell types in pap smears. (08 marks)

Intermediate cells:

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Parabasal cells:

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2.4 List two (02) advantages of liquid-based cytology. (04 marks)

- i.
- ii.

(20 marks)

Q3.

3.1 List two (02) precautions to be taken to avoid cross contamination during cytology sample processing. (04 marks)

- i.
- ii.

3.2 Briefly describe the actions to be taken during cytology specimen accessioning. (06 marks)

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3.3 List four (04) performance indicators to be used in gynecological cytology for performance evaluation. (04 marks)

- i.
- ii.
- iii.
- iv.

3.4 Briefly discuss prospective re-screening methods used as quality control measures in gynecological cytology. (06 marks)

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(20 marks)

Part C: Essay Questions. (20 marks)

Q1. Discuss your role as the supervisory cytotechnologist in the cytology laboratory.

(20 marks)

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