



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
MDU4209 – GENERAL PATHOLOGY

FINAL EXAMINATION

DURATION: 2 HOURS

DATE: 21st MARCH 2024

TIME: 09.30 AM – 11.30 AM

INDEX NO:

INDEX NO:

Part B: Structured Essay Questions (60 marks)

Q1.

1.1 List four (04) causes of cell injury. (04 marks)

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

1.2 List four (04) structural changes of reversible and irreversible cell injury. (08 marks)

Reversible cell injury	Irreversible cell injury

1.3 Briefly describe morphological changes in cytoplasm and nucleus of necrotic cells. (08 marks)

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(Total: 20 marks)

Q2.

2.1 Define the term “inflammation”.

(05 marks)

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2.2 List five (05) causes of acute inflammation.

(05 marks)

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

2.3 Using a flowchart outline the mechanism of development of cardinal signs in inflammation.

(10 marks)

(Total: 20 marks)

INDEX NO:

Q3.

3.1. What is Thrombosis? (04 marks)

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3.2. List the factors involved in Virchow's triad associated with thrombosis. (06 marks)

- i.
- ii.
- iii.

3.3. An infarction is an irreversible tissue injury.

3.3.1. List three (03) effects of infarction. (06 marks)

- i.
- ii.
- iii.

3.3.2. State the two (02) main types of secondary gangrene? (04 marks)

- i.
- ii.

(Total: 20 marks)

Part C: Essay Question. (20 marks)

Q1. Discuss the differences between malignant tumors and benign tumors.

(Total: 20 marks)

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