

**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS**  
**MDU4209 – GENERAL PATHOLOGY**  
**FINAL EXAMINATION**

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DATE: 4<sup>th</sup> MARCH 2022

TIME: 09.30 AM – 11.30 AM

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**Part B: Structured Essay Questions (60 marks)**

1. Carcinogens play a vital role in inducing cancer in human.

1.1 Name two (02) main groups of carcinogens that induce cancer other than chemicals.

(2 marks)

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1.2 Briefly explain the events/steps in chemical carcinogenesis.

(10 marks)

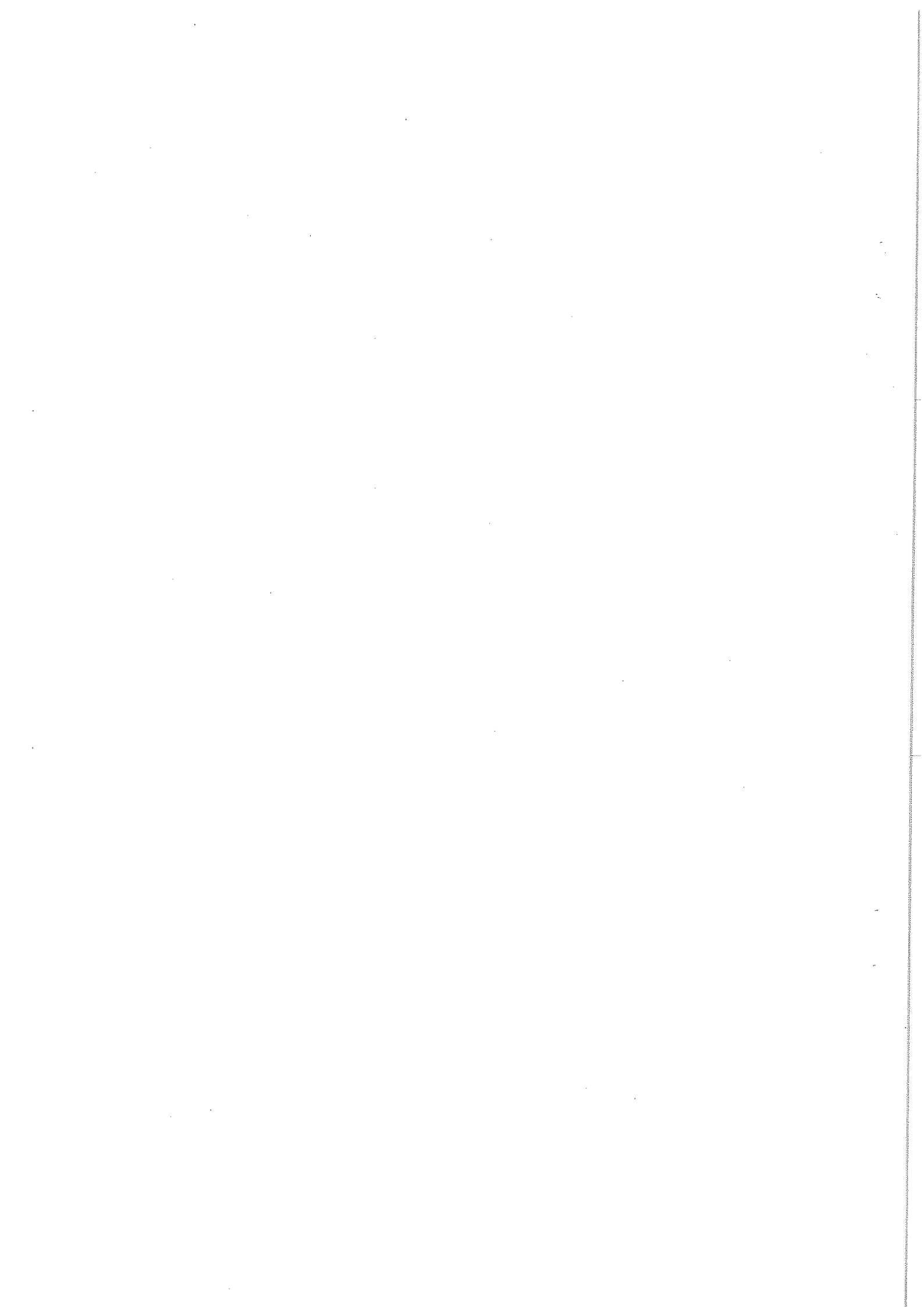
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1.3 Briefly describe the essential cellular changes need for malignant transformation.

(8 marks)

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**(TOTAL 20 MARKS)**



2.

2.1 Define chronic inflammation. (4 marks)

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2.2 Name two (02) causes for chronic inflammation with examples for each cause. (6 marks)

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2.3 Briefly describe the differences between primary tuberculosis and secondary tuberculosis.

(10 marks)

Primary Tuberculosis	Secondary Tuberculosis

(TOTAL 20 MARKS)

3.

3.1 What is thrombosis. (2 marks)

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3.2 Briefly explain the main factors that lead to thrombosis. (10 marks)

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3.3 Briefly explain the pathological effects of systemic thromboembolism. (8 marks)

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**(TOTAL 20 MARKS)**

**Part C: Essay Question (20 marks)**

1. Write short notes on following topics. (20 marks)

1.1 Differences between features of benign and malignant tumours

1.2 Role of neutrophils in acute inflammation

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