

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

SECOND YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF BIOMEDICAL SCIENCE

BMED 212: PATHOPHYSIOLOGY

STREAM: R

TIME: 2 HRS

DAY: FRIDAY [14.30 – 16.30HRS] DATE: 09/12/2022

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

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INSTRUCTIONS: - Answer all the questions in section A and any of the two questions in B

SECTION A (40 MKS)

QUESTION ONE

Explain the following essential pathophysiological terminologies: - (5 marks)

- (a) Nosology
- (b) Pathogenesis
- (c) Sanogenesis
- (d) Semiology
- (e) Tanatogenesis

QUESTION TWO

- (a) Why is pathophysiology important for medical students and physicians? (3 marks)
- (b) Distinguish between general and specific pathophysiology. (2 marks)

QUESTION THREE

- (a) Give an account of Hippocrates' (460-370 BC) significance in the history of pathophysiology. (2 marks)
- (b) Describe the primary methods used in pathophysiological research. (3 marks)

QUESTION FOUR

- (a) Give a brief overview of acute and chronic inflammation. (2 marks)
- (b) Discuss the main causes of genetic disorders. (3 marks)

QUESTION FIVE

Explain briefly the causes of neurological disorders. (5 marks)

QUESTION SIX

- (a) List two most common chronic obstructive pulmonary disease conditions. (2 marks)
- (b). Explain three groups of endocrine disorders. (3 marks)

QUESTION SEVEN

List and explain five examples of reproductive system functional problems. (5 marks)

QUESTION EIGHT

(a) Identify any six medical conditions that can increase the risk of heart disease. (3 marks)

(b) Explain what causes Non-Hodgkin's Lymphoma. (2 marks)

SECTION B (30 MARKS)

QUESTION NINE

List and explain diseases of the urinary and renal systems. (15 marks)

QUESTION TEN

Account of the various diseases associated with bone disorders. (15 marks)

QUESTION ELEVEN

(a) List and explain the roles of the major electrolytes in human bodies, as well as their excess and deficiency production. (10 marks)

(b) Explain the importance of electrolytes in our bodies. (5 marks)

