



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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University Examinations 2023/2024

SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF HEALTH RECORDS INFORMATION MANAGEMENT

HPR 3221: PATHOPHYSIOLOGY

DATE: APRIL 2024

TIME: 2 HOURS

INSTRUCTIONS:

Answer question one and any other two questions

SECTION A SHORT ANSWER QUESTIONS (30 MARKS)

1. A. Define the following terms (1 mark each)
 - i. Pathophysiology
 - ii. Fick's law
 - iii. Immune deficiency
 - iv. Portal of entry
 - v. Malignant tumors
 - vi. Opsonin
 - B. Draw a diagram of immunoglobulin (5 marks)
 - C. Write short notes on layered defence of the body against pathogens (5 marks)
 - D. Name 5 cardinal signs of inflammation (5 marks)
 - E. Name 5 techniques used to manage pain and inflammation (5 marks)
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F. Name factors that lower the risk of infection (5 marks)

SECTION B: CHOOSE ANY TWO QUESTIONS (40 MARKS)

1. Discuss hypersensitivity reaction giving examples (20 marks)
2. Discuss tumours (20 marks)
3. Discuss malnutrition (20 marks)