

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

**UNIVERSITY EXAMINATIONS 2017/2018**

**YEAR 3 SEMESTER 1 EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL MICROBIOLOGY**

**MMB 2305: GENERAL PATHOLOGY**

**DATE: JANUARY 2018 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

QUESTION ONE (30 MARKS)

a) Describe the four core aspects of disease that are studied in pathology

(6 marks)

b) Outline the six cardinal signs of acute inflammation (6 marks)

c) Briefly describe the three types of shock (6 marks)

d) State the six causes of haemorrhage (6 marks)

e) Define the following terminologies;

i) Hypoxia (1 mark)

ii) Hemosiderin (1 mark)

iii) Hyperplasia (1 mark)

iv) Hypertrophy (1 mark)

v) Apoptosis (1 mark)

vi) Edema (1 mark)

QUESTION TWO

Discuss both local and systemic factors that influence a wound healing process (20 marks)

QUESTION THREE

Discuss necrosis and apoptosis as ways involved during cell death (20 marks)

QUESTION FOUR

Discuss the various diagnostic techniques used by pathologists to diagnose diseases (20 marks)