

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

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2016/2017**

**SECOND YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL BIOCHEMISTRY**

**HBB 2211: GENERAL PATHOLOGY**

**DATE: NOVEMBER, 2016 TIME: 2 HOURS**

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

**TWO QUESTIONS**

 **QUESTION ONE: 30 MARKS**

a. Briefly explain the following:

 i. Chemotaxis. [2 marks]

 ii. Biopsy. [2 marks]

 iii. Phagosome. [2 marks]

 iv. Exudates. [2marks]

b. Briefly describe the following:

 i. Pathological calcification . [4 ½ marks]

 ii. Myloperoxidase dependent mechanism. [4 ½ marks]

c. Briefly explain the THREE (3) phases in granulation tissue formation. [2 ½ marks]

d. Briefly describe the sequelae of supportive inflammation. [6 ½ marks]

**QUESTION TWO: 20 MARKS**

a. Briefly describe bone regeneration. [10 marks]

b. Discuss the complications of wound healing. [10 marks]

**QUESTION THREE: 20 MARKS**

a. Discuss the pathophysiology of the cardinal sign of acute inflammation.

[10 marks]

b. Enumerate the sequential steps in both the vascular and cellular responses of acute inflammation. [10 marks]

**QUESTION FOUR: 20 MARKS**

a. Describe in details the disorders of growth. [20 marks]