



(Knowledge for development)  
**KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**2020/2021 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER**

**MAIN EXAMINATION**

**REGULAR PROGRAMME**

**FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS**

**COURSE CODE: GEO 221**

**COURSE TITLE: PHYSICAL GEOGRAPHY**

**DATE: OCTOBER 12, 2021**

**TIME: 9 – 11 AM**

**TIME: 2 HOURS**

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**INSTRUCTIONS TO CANDIDATES**

- 1. Answer Question ONE (Q1) Compulsory**
- 2. Answer any other TWO (2) Questions**
- 3. Use illustration where appropriate**

**This paper consists of 2 printed pages. Please Turn Over.**

1.

a. Define the following terms as applied in the discipline Geography:

i. Isostasy

(2 marks)

ii. Pluton

(2 marks)

iii. Cryosphere

(2 marks)

b. Describe the following layers of earth's atmosphere:

i. Stratosphere

(7 marks)

ii. Mesosphere

(3 marks)

c. Describe the following interior sections of the earth:

i. The core

(6 marks)

ii. The Mantle

(8 marks)

2. a. Describe the processes involved in the formation of sedimentary rocks (12 marks)

b. Explain the sources of heat and pressure responsible for rock metamorphism. (8 marks)

3. Discuss the climatic factors responsible for run-off generation in a catchment basin

(20 marks)

4. Citing examples from across the globe discuss FIVE positive impacts of plate tectonics.

(20 marks)

5. .a. Describe any two processes responsible for magma formation

(12 marks)

b. Explain four major characteristics of extrusive igneous rocks.

(8 marks)