



Kasarani Campus
Off Thika Road
P. O. Box 49274, 00101
NAIROBI
Westlands Campus
Pamstech House
Woodvale Grove
Tel. 4442212
Fax: 4444175

KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS, 2022/2023 ACADEMIC YEAR
END OF SEMESTER EXAMINATIONS
FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS)
KGE 2205 -PHYSICAL GEOGRAPHY II

Date: 27th August 2022
Time: 8.30am-10.30am

INSTRUCTION TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- (a) Explain the following terms:
- (i) Weathering. (3 marks)
 - (ii) Mass wasting. (3 marks)
 - (iii) Diastrophism. (2 marks)
- (b) Using a suitable equation, describe the water balance concept. (8 marks)
- (c) Describe the Geographic cycle of erosion in landscape development. (8 marks)
- (d) Distinguish between recharge and discharge of ground water. (6 marks)

QUESTION TWO (20 MARKS)

- (a) With the aid of a labelled diagram, explain the global hydrological cycle. (10 marks)
- (b) Explain five factors affecting the hydrological cycle. (10 marks)

QUESTION THREE (20 MARKS)

- (a) Define an aquifer. (2 marks)
- (b) Examine **four** sources of groundwater. (8 marks)
- (c) Explain **five** roles of groundwater. (10 marks)

QUESTION FOUR (20 MARKS)

Using labelled diagrams, describe the formation of the following features:

- (a) Rock pedestals (5 marks)
- (b) Mushroom block (5 marks)
- (c) Zeugens (5 marks)
- (d) Yardangs. (5 marks)

QUESTION FIVE (20 MARKS)

- (a) Discuss the hydrological significance of vegetation in any region. (10 marks)
- (b) Explain **five** geomorphic agents that facilitate erosion. (10 marks)