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**KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION, 2024/2025 ACADEMIC YEAR**  
**FIRST YEAR, SECOND SEMESTER EXAMINATION**  
**FOR THE DEGREE OF BACHELOR OF EDUCATION(ARTS)**  
**KGE 2105:PHYSICAL GEOGRAPHY 1**

Date: 19<sup>th</sup> April 2024  
Time: 11:30am-1.30pm

**INSTRUCTIONS TO CANDIDATES:**

*Sketch maps and diagrams should be used whenever they serve to illustrate an answer*

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

**QUESTION ONE (30 MARKS)**

- a) Briefly explain any **four** branches of Physical Geography: **(8 marks)**
- b) Explain the following terms as used in Geography
- i. Volcanicity. **(3 marks)**
  - ii. Faulting. **(3 marks)**
  - iii. Folding. **(2 marks)**
  - iv. Soil erosion. **(2 marks)**
- c) Explain in detail any **two** methods of data collection. **(8 marks)**
- d) Briefly Explain any **two** elements of weather. **(4 marks)**

**QUESTION TWO (20 MARKS)**

Using appropriate illustrations, explain the following stages of hydrological cycle:

- a) Evaporation. **(4 marks)**
- b) Transport. **(4 marks)**
- c) Condensation. **(4 marks)**
- d) Precipitation **(4 marks)**
- e) Runoff **(4 marks)**

**QUESTION THREE (20 MARKS)**

- a) Citing relevant examples, discuss the consequences of soil erosion in Kenya. **(10 marks)**
- b) Suggest solutions for reducing soil erosion in 3(a) above. **(10 marks)**

**QUESTION FOUR (20 MARKS)**

Using appropriate illustrations, describe the structure of the earth interior in the following layers:

- a) Crust **(7 marks)**
- b) Mantle **(7 marks)**
- c) core **(6 marks)**

**QUESTION FIVE(20 MARKS)**

- a) Citing specific areas in Kenya, describe the major causes of desertification. **(8 marks)**
- b) Explain the consequences of desertification in 5(a) above. **(8 marks)**
- c) Suggest probable solutions to curb /reduce desertification in 5 (a) **(4 marks)**