



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 EXAMINATION, 2024/2025 ACADEMIC YEAR**  
**SPECIAL SEMESTER EXAMINATION**  
**FOR THE DEGREE OF BACHELOR OF EDUCATION(ARTS)**  
**KGE 2105 PHYSICAL GEOGRAPHY 1**

Date: 14<sup>th</sup> August 2024  
Time: 2.30pm-4.30pm

**INSTRUCTIONS TO CANDIDATES:**

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

**QUESTION ONE (30 MARKS)**

- a) Examine the salient features of physical geography (6 marks)
- b) Explain the big bang theory. (8 marks)
- c) Explain how to study the interior of earth. (8 marks)
- d) Draw the structure of atmosphere based on temperature difference. (8 marks)

**QUESTION TWO (20 MARKS)**

- a) Discuss any evidences to show Gondwanaland existed. (10 marks)
- b) Explain how matter, energy and space originated (10 marks)

**QUESTION THREE (20 MARKS)**

- a) Discuss three forces that affects atmospheric circulation (10 marks)
- b) Explain how a manometer is used to measure atmospheric pressure. (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Describe the nitrogen cycle. (10 marks)
- b) Discuss five factors affecting species distribution in Kenya. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Discuss the process of the formation of rocks (10 marks)
- b) Examine the place of physical geography in addressing climate change in Africa (10 marks).