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KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS, 2023/2024 ACADEMIC YEAR
END OF SEMESTER EXAMINATIONS
FOR THE DEGREE IN BACHELOR OF EDUCATION(ARTS)
KGE 2105-PHYSICAL GEOGRAPHY

Date: 17th April 2023
Time: 8.30am-10.30pm

INSTRUCTIONS:

*ANSWER **QUESTION ONE** AND ANY OTHER **TWO** QUESTIONS*

USE SKETCHES AND DIAGRAMS WHEREVER THEY SERVE TO ILLUSTRATE AN ANSWER

QUESTION ONE (30 MARKS)

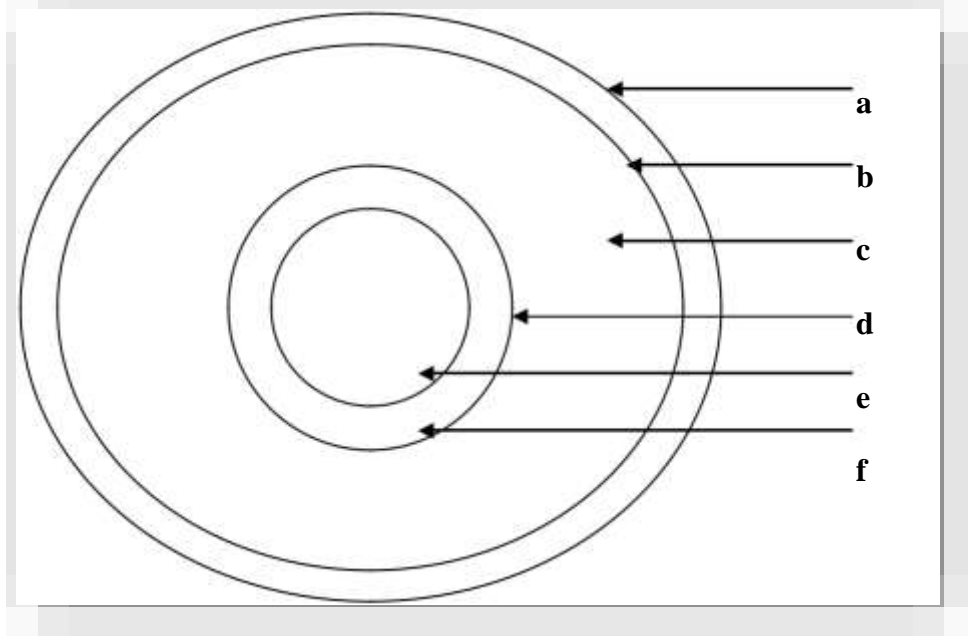
- a) Define physical Geography as a branch of geography and describe its scope. (3marks)
- b) Describe the relationship between the terms Lithosphere, Atmosphere, Hydrosphere and Biosphere.
(6 marks)
- c) Define the following concepts:
 - i) Endogenic process (3 marks)
 - ii) Exogenic Processes (3 marks)
 - iii) Radioactive isotopes (3 marks)
- d) Outline **three** classes of evidence to prove that Gondwanaland and Laurasia actually existed, and that they drifted to their present positions. (6 marks)
- e) Discuss the origin of the universe. (6marks)

QUESTION TWO (20 MARKS)

- a) Examine tectonic plate interactions and the resultant landforms. (8marks)
 - b) State **two** major changes as one moves towards the centre of the earth. (4marks)
 - c) Explain **four** sources of data on the internal structure of the earth. (8 marks)
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QUESTION THREE (20 MARKS)

- a) The sketch below is a rough illustration of the interior of the earth. Label and briefly describe the diagram appropriately (6 marks)



- b) Explain the theories of Plate Tectonics and Continental Drift. (7 marks)

- c) Account for the characteristics of thermal structure of the atmosphere. (7 marks)

QUESTION FOUR (20 MARKS)

- a) Explain any two types of plate boundaries (8 marks)
- b) Describe how the following rocks are formed:
- i) Igneous (4 marks).
 - ii) Metamorphic (4 marks).
 - iii) Sedimentary rocks (4 marks).

QUESTION FIVE (20 MARKS)

- a) Analyze the physical features formed by water and wind as agent of erosion, transportation and deposition. (10marks)
- b) Outline Five ways in which human activities are changing the Earth. (10 marks)
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