

Geography I

005

15/11/2016

8.30am – 11.30am

YEAR 2016

ORDINARY LEVEL NATIONAL EXAMINATIONS, 2016

SUBJECT : GEOGRAPHY

PAPER I : PHYSICAL GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS:

5. Do not open this question paper until you are told to do so.
6. Write your names and index number as they appear on your registration form.
7. This paper has **THREE** sections: **A, B** and **C**.

SECTION A: Attempt **ALL** question. **(55 marks)**

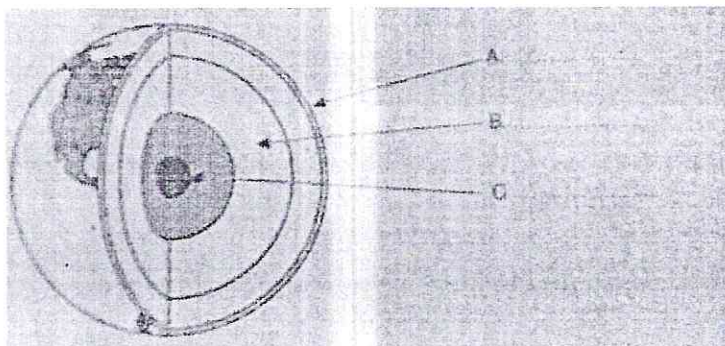
SECTION B: Attempt any **THREE** questions **(30 marks)**

SECTION C: Attempt any **ONE** question. **(15 marks)**

8. Use a **blue** or **black** pen.

SECTION A: Attempt all questions. (55 marks)

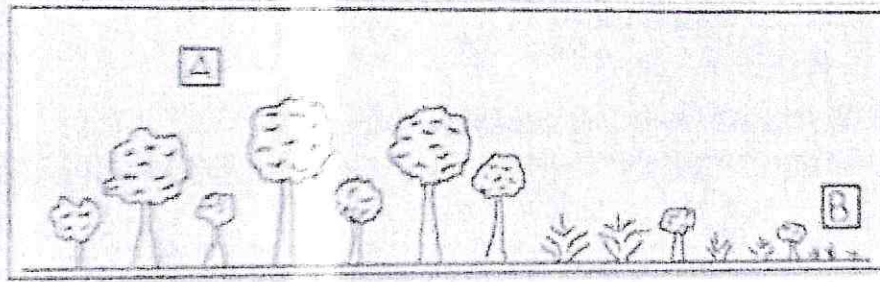
- 1) Study the diagram below of the internal structure of earth, then name layers labeled A, B and C. (3 marks)



- 2) Identify two African mountains on which snow is common. (2 marks)
- 3) (a) Give two effects of landslides in Rwanda. (2 marks)
(b) Name two factors that influence mass wasting. (2 marks)
- 4) Describe two characteristics of the atmosphere. (2 marks)
- 5) (a) Explain what is meant by the term "scale" as used on a map. (1 mark)
(b) Name two different types of scale used on maps. (2 marks)
- 6) (a) Name two categories of chemically formed sedimentary rocks. (2 marks)
(b) Describe three ways in which rocks may be changed to become metamorphic. (3 marks)
- 7) (a) Distinguish between vent eruption and fissure eruption. (2 marks)
(b) Name two characteristics of a scaldera. (2 marks)
- 8) (a) Differentiate between the magnitude of an earthquake and intensity of an earthquake. (2 marks)
(b) Name three effects of earthquakes in Rwanda. (3 marks)
(c) State three causes of floods in Rwanda. (3 marks)
- 9) (a) Name any two parts of a photograph used in the interpretation of geographical features. (2 marks)
(b) Differentiate a map from a photograph. (2 marks)
- 10) (a) State two ways in which animal action contributes to biological weathering. (2 marks)
(b) Explain two causes of chemical weathering. (2 marks)
- 11) (a) Explain what is meant by "Rill erosion". (2 marks)
(b) State two factors involved in soil formation. (2 marks)
(c) Identify three features produced by wind erosion. (3 marks)
- 12) (a) What is meant by "a River meander"? (3 marks)
(b) Describe the factors which cause a river to deposit its load. (3 marks)
(c) Name three features that characterize a flood plain. (3 marks)

SECTION B: Attempt any three questions (30 marks)

- 13) (a) Differentiate between intrusive and extrusive volcanicity. (2 marks)
(b) With the aid of a diagram, explain how a Crater Lake is formed. (4 marks)
(c) Explain how a shield volcano is formed. (4 marks)
- 14) (a) Describe the factors that are responsible for desertification in the Northern part of Africa. (5 marks)
(b) Outline the steps taken to control desertification in East Africa. (5 marks)
- 15) (a) With the aid of well labeled diagrams, describe how tensional forces can lead to formation of a Rift valley. (5 marks)
(b) Explain five ways in which features resulting from faulting are of economic importance. (5 marks)
- 16) (a) Draw a map of Rwanda and on it mark and label Lakes: Kivu, Rweru and Burera. (4 marks)
(b) Explain the process of formation of each of the lakes mentioned in (a) above. (6 marks)
- 17) The figure below shows a cross-section of the natural vegetation zones of Africa. Study it and answer the questions that follow.



- (a) Name the vegetation type marked A and B. (2 marks)
- (b) Give two reasons that explain the difference in vegetation types named in (a) above. (2 marks)
- (c) State two economic activities carried out in areas covered by vegetation A. (2 marks)
- (d) Describe four ways in which these economic activities have affected vegetation type A and how it can be protected. (4 marks)

END