

**GEOGRAPHY III**

**023**

**18/11/2019 8:30 AM -11:30 AM**

**REB**

**Rwanda Education Board**

**ADVANCED LEVEL NATIONAL EXAMINATIONS, 2019**

**SUBJECT: GEOGRAPHY**

**PAPER III: PHYSICAL GEOGRAPHY**

**COMBINATIONS:**

- **HISTORY - ECONOMICS -  
GEOGRAPHY (HEG)**
- **MATHEMATICS - ECONOMICS -  
GEOGRAPHY (MEG)**
- **MATHEMATICS - PHYSICS -  
GEOGRAPHY (MPG)**
- **BIOLOGY - CHEMISTRY -  
GEOGRAPHY (BCG)**
- **LITERATURE - ECONOMICS -  
GEOGRAPHY (LEG)**
- **HISTORY - GEOGRAPHY -  
LITERATURE (HGL)**

**DURATION: 3 HOURS**

## **INSTRUCTIONS:**

- 1) Do not open this question paper until you are told to do so.
- 2) Write your names and index number as they appear on your registration form and **DO NOT** write your names and index number on additional sheets of paper if provided.
- 3) This paper has **THREE** sections: **A**, **B** and **C**.
  - **SECTION A:** This section is compulsory.  
**(40 marks)**
  - **SECTION B:** Attempt any **THREE** questions.  
**(30 marks)**
  - **SECTION C:** Attempt any **TWO** questions.  
**(30 marks)**
- 4) Use only a **blue** or **black** pen.



**SECTION A: ATTEMPT ALL QUESTIONS**  
**(40 marks)**

- 1) a) What are tides? **(2marks)**  
b) Describe any two causes of ocean currents. **(2marks)**
- 2) Describe how the rift valley was formed by anticlinal arching. **(2marks)**
- 3) Describe three effects of the movement of tectonic plates. **(3marks)**
- 4) Explain three reasons why wind is the dominant agent of erosion in arid areas. **(3marks)**
- 5) Explain how winds influence rainfall in an area. **(3marks)**
- 6) Describe podzolization as a process of leaching. **(3marks)**
- 7) Describe the following properties of soil:
  - a) Soil colour. **(2marks)**
  - b) Soil porosity. **(2marks)**

- 8) Describe how the following features are formed:
- a) Oasis. **(2marks)**
  - b) Lagoon. **(2marks)**
- 9) Apart from compressional forces, explain three other processes that may cause faulting. **(3marks)**
- 10) Explain the three factors that facilitate deposition in rivers. **(3marks)**
- 11) Explain how the following factors influence weather:
- a) Cloud cover. **(2marks)**
  - b) Local winds. **(2marks)**
- 12) Describe two characteristics of submerged lowland coasts. **(2marks)**
- 13) What are the characteristics of Lake Victoria Basin? **(2marks)**

**SECTION B: ATTEMPT ANY THREE  
QUESTIONS (30 marks)**

- 14) With the aid of examples, explain how hot springs and geysers are formed. **(10marks)**
- 15) a) Examine the factors that influence the occurrence of mass wasting in Rwanda. **(4marks)**  
b) Discuss the effects of mass wasting on land use in Rwanda. **(6marks)**
- 16) a) Explain how a barchan is formed. **(5marks)**  
b) Explain five ways in which desert features are significant to human activities. **(5marks)**
- 17) With reference to specific examples, explain the effects of tectonism on the drainage of East Africa. **(10marks)**
- 18) Assess the significance of features associated with sea level changes in the economic development of East Africa. **(10marks)**

**SECTION C: THIS SECTION IS COMPULSORY**  
**(30 marks)**

- 19) You are planning to carry out a field study around your school.
- a) Give and explain four reasons why it is important to seek authorization from the school administration. **(4marks)**
  - b) Describe any four sources of information you are likely to use before the actual field study. **(4marks)**
  - c) Explain the challenges you are likely to encounter during the field study. **(7marks)**
- 20) a) Explain the importance of maps. **(2marks)**
- b) Describe the relationship between relief of an area and,
    - (i) population settlement. **(2marks)**
    - (ii) transport network. **(2marks)**
  - c) Give six factors to explain the significance of a forest to the nearby population. **(6marks)**
  - d) List three (3) characteristics of a map. **(3marks)**

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