

GEOGRAPHYPAPER 1

312/1

OCT /NOV 2014

TIME: 2 ¾ HRS

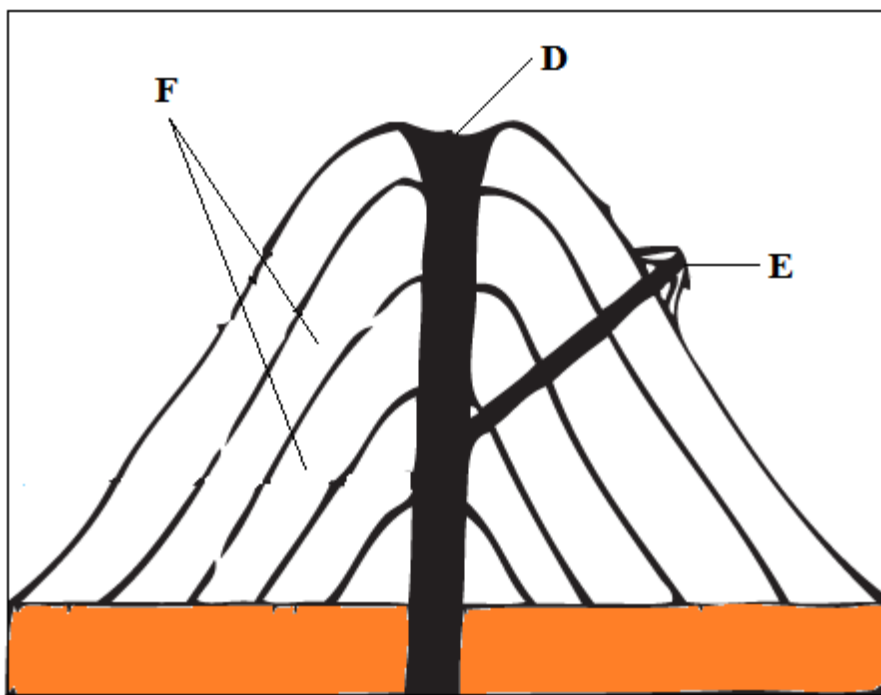
MAKINDU SUB – COUNTY INTER – SECONDARY SCHOOLS EXAMINATIONS

FORM 3 END OF YEAR EXAMINATION 2014

SECTION A

Answer all questions in this section

1. (a). What is an eclipse? (2marks)
(b). State three causes of earth movements (3marks)
2. (a). Describe the evolution of the solar system as contained in the passing star theory (3marks)
(b). Give any two weaknesses of this theory (2marks)
3. (a). Differentiate between weather and climate (2marks)
(b). List three characteristics of the I.T.C.Z (3Marks)
4. (a). The diagram below represent a composite volcano. Name the features marked D, E and F (3marks)



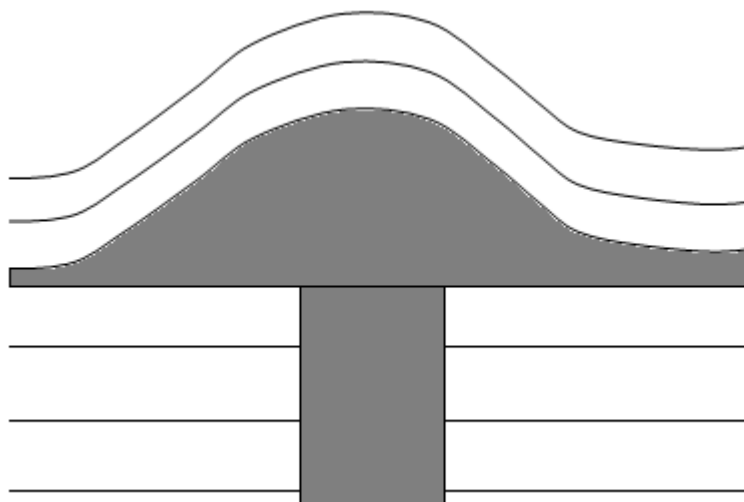
- (b). State two ways through which Mount Kenya has influenced the drainage of the area (2marks)
5. (a). State two processes in which wind erodes desert surface (2marks)
(b). Identify three factors influencing wind transportation in deserts (3marks)

SECTION B

Answer question 6 and any other two questions

6. Study the map of Kericho 1:50,000 provided and answer the following questions (Sheet No. 174/3)
 - (a). (i). What type of map is the Kericho sheet (1mark)
(ii). Give the Longitudinal extend of the area covered by the map (1mark)

- (iii). Using the marginal information, give the magnetic variation of the area when the map extract was drawn (2marks)
- (iv). Measure the distance of the dry weather road (E222) from the junction at grid reference 570643 to grid reference 529640 (2marks)
- (b). Citing evidence from the map explain
- (i). Three physical factors that have influenced the Location of Kericho town (6marks)
- (ii). Three factors that favour the establishment of tea estates in the area covered on the map (6marks)
- (c). Describe the distribution of settlements in the area covered on the map (4marks)
- (d). Identify three social amenities within Kericho Municipality (3marks)
- 7.
- (a). Differentiate between faulting and folding (2marks)
- (b). (i). Name two ways through which a block mountain may form (2marks)
- (ii). Apart from a block mountain name two other features that may form as a result of faulting (2marks)
- (c). The diagram below represents a volcanic feature. Use it to answer the questions that follow.



- (i). Identify the feature represented by the above diagram (1mark)
- (ii). Name the form of vulcanicity that is responsible for the formation of the above feature (1mark)
- (iii). A part from this feature, name two other features that form as a result of the process named in (ii) above (2marks)
- (d). Students from your class intend to carry out a field study on internal land forming processes in the Rift valley
- (i). Formulate two objectives of this study (2marks)
- (ii) State three reasons why it is important to prepare a working schedule before the study. (3marks)
- (e). Identify and explain any five positive consequences of vulcanicity to human activities (10marks)
- 8.
- (a). (i). Distinguish between Mechanical and Chemical weathering (2marks)
- (ii). State three agents of weathering (3marks)
- (b). Describe three ways through which biological weathering take place (6marks)
- (c). (i). Name four common forms of landslides (4marks)
- (ii). Explain the role played by water in facilitating landslides (4marks)
- (d). What is the significance of mass wasting? (6marks)
9. (a). (i). Differentiate between parent material and bedrock (2marks)

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- (ii). What is soil catena (2marks)
- (iii). State the characteristics of soil found in arid regions (4marks)
- (b). Explain how the following factors influence the formation of soil
- (i). Parent rock (2marks)
 - (ii). Living organisms (2marks)
 - (iii). Topography (2marks)
- (c). (i). Explain three ways in which human activities contribute to soil erosion (6marks)
- (ii). Draw a well-labelled diagram of a profile of a mature soil (5marks)
10. (a). What is a longshore drift? (2marks)
- (b). Explain ways in which waves erode the coasts through
- (i). Corrosion (3marks)
 - (ii). Hydraulic action (3marks)
- (c). Students carried a field study along the coast. State three types of beaches they are likely to identify (3marks)
- (d). Differentiate between constant and isostatic change in sea level (3marks)
- (e). (i). Explain three factors influencing the degree of ocean salinity (6mark)
- (ii). What is the significance of oceans to man (5marks)