

FORM FOUR CLUSTER KCSE MODEL2

GEOGRAPHY PAPER 1 QUESTIONS

SECTION A (25 Marks)

Answer all questions in this section

- a) What name is given to the shape of the earth? (1mark)
 - b) Give three characteristics of Sima layer of the earth's crust. (3mrks)
- a) What is the cause of glacier recession? (1mrks)
 - b) Name three erosion features of glaciations that are found on the lowlands. (3mrks)
3. State five factors that determine the amount of solar radiation reaching the earth's surface
- a) Name two features that result from wind deposition in deserts. (4mrks)
 - b) State four physical factors that contribute to the development of deserts. (4mrks)
- a) Name three types of coasts. (3mrks)
 - b) Give three conditions that make the formation of a beach possible. (3mrks)

SECTION B (75 Marks)

Answer question 6 and any other two question from this section

6. Study the map of Busia 1: 50,000 (sheet 101/1) provided and answer the following questions.
 - i. Give the six figure grid reference for the trigonometrical station SKP 206 on top of Odiado Hill. (2mrks)
 - ii. Calculate the bearing of the photo principal point in grid square 2547 from the pond in grid square 2134. (2mrks)
 - iii. Name three physical features that are found along the line joining the pond and the trigonometrical station in (ii) above.
 - a) Draw a sketch section between points A at 217344 and B at 290333, mark and name a ridge Hill, gentle slope. (5mrks)
 - b) What is the gradient of the road marked B 8/3 from Matayo to Bumala
 - c) Giving evidence from the map name three economic activities carried out in the area covered by the map. (3mrks)
 - d) Students from Budokomi School were required to carry out a field study of River Sio
 - i) Give four types of data they might have collected (4mrks)
 - ii) State four problems they are likely to have encountered during the field study (4 marks)
7.
 - a) What is a rock? (2mrks)
 - b) Give three examples of chemically formed sedimentary rocks. (2mrks)
 - c) Describe three ways through which sedimentary rocks are formed. (6mrks)
 - d) Explain four ways in which rocks contribute to the economy of Kenya. (8mrks)
 - e) Your class is required to carry out a field study on rock weathering around your school.

- i. Give three secondary sources of information you are likely to use as you prepare for the field study. (3mrks)
- ii. Apart from using secondary sources of information state four other ways in which you would prepare for the field study. (4mrks)
8. a) i) Define the term volcanism. (2mrks)
- ii) Give two types of volcanic lava associated with volcanic activity. (2mrks)
- b) i) Name three features that result from extrusive volcanic activity. (3mrks)
- ii) Give four characteristics of composite volcano. (4mrks)
- c) Describe how a shield volcano is formed. (5mrks)
- d) Explain four ways in which volcanic mountains positively influence human activities. (8mrks)
9. a) Draw a well labeled diagram to show the profile of a mature soil. (5mrks)
- b) Name five factors that influence soil formation. (5mrks)
- c) Explain four ways in which farming practices can lead to loss of soil fertility. (8mrks)
- d) (i) State four methods that are used to conserve soil in Kenya. (4mrks)
- (ii) Name three counties in Kenya which experience severe soil erosion. (3mrks)
10. a) What is a lake? (2mrks)
- b) (i) Name two fresh water lakes in the Gregorian rift valley. (2mrks)
- (ii) Describe the formation of Lake Victoria. (7mrks)
- c) State three factors that determine the size of a Lake. (3mrks)
- d) i) Give three factors that determine a river's discharge. (3mrks)
- ii) Explain four ways through which a river transports its load. (8mrks)