

KCSE TRIAL 2019
GEOGRAPHY PAPER 1 QUESTIONS

SECTION A (25 Marks)

Answer all questions in this section

1. a) What name is given to the shape of the earth? (1 mark)
b) Give three characteristics of Sima layer of the earth's crust. (3mrks)
2. 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
4. 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)
5. 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.
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- 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 transport its load. (8mrks)
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