

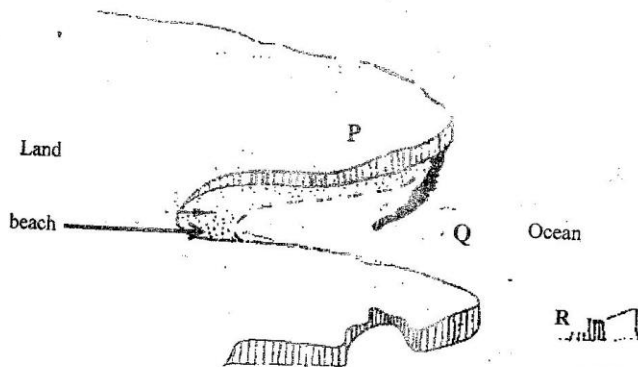
KENYA HIGH SCHOOL MOCK 2020
GEOGRAPHY PAPER 1

SECTION A: (25 MARKS)

Answer all questions from this section.

1. (a) What is the relationship between geography and mathematics. (2mks)
(b) State four reasons why it is important to study geography. (4mks)
2. (a) Name two forms of precipitation that commonly occur in Kenya. (2mks)
(b) What is a Stevenson screen? (2mks)
3. (a) What is a land breeze? (2mks)
(b) Give two ways in which sea breezes influence the adjacent land. (2mks)
4. (a) Name the types of Coastal deltas. (2mks)

- (b) Give three characteristics of a river in its middle stage. (3mks)
5. (a) The diagram below shows some Coastal features. Name the features marked P, Q and R. (3mks)



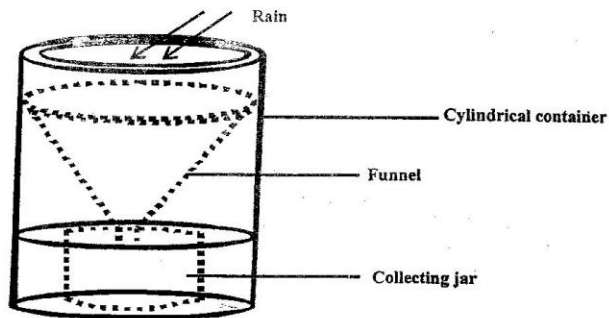
- (b) State three conditions necessary for the formation of a beach. (3mks)

SECTION B:

Answer question 6 and any other Two questions from this section.

6. Study the map of Taita Hills 1 : 50,000 (sheet 189/4) provided and answer the following questions.
- (a)
- (i) What type of map is Taita Hills map extract. (1mk)
 - (ii) Give two scales that have been used in the map extract. (2mks)
 - (iii) Identify two features in the grid square and 24/9. (2mks)
 - (iv) Measure the length of the all weather road loose surface from Maktau to the grid square 2525. Give your answer in kilometres and metres. (2mks)
- (b) Draw a rectangle measuring 12cm by 6cm to represent the area enclosed by Eastings 25 to 31 and Northings 20 to 23.
- Dry weather road (1mk)
 - Dam (1mk)
 - Rock outcrop (1mk)
 - Prison (1mk)
- (c)
- (i) Describe the drainage of the area covered by the map. (1mk)
 - (ii) Identify three natural vegetation in the area covered by the map. (3mks)
- (d) Citing evidence from the map extract; identify four economic activities from the area covered by the map. (4mks)
7. (a) Differentiate between river rejuvenation and river capture. (2mks)
- (b) Give three features resulting from:
- (i) river rejuvenation. (3mks)
 - (ii) river capture (3mks)

- (c) Explain the **four ways through which** a river transports its loads. (8mks)
- (d) Students from your class conducted a field study on an old stage of a river.
- (i) State three reasons why they would require a route map. (3mks)
- (ii) Identify three characteristics the river would they would have observed (3mks)
- (iii) State three follow up activities they would have involved in after the field study. (3mks)
8. (a) (i) Apart from the Riftvalley, name three other relief features formed as a result of faulting. (3mks)
- (ii) Using well labeled diagrams, describe how a Riftvalley is formed through tensional forces. (3mks)
- (b) Explain three ways in which faulting may influence drainage system. (6mks)
- (c) Describe four ways in which features resulting from faulting are of significance to the economy of Kenya. (3mks)
9. (a) (i) Define the term weather. (2mks)
- (ii) Explain how the following factors influence weather. (4mks)
- Cloud cover (4mks)
 - Local winds (4mks)
- (b) Study the diagram below and answer the questions that follows:



- (i) Which element of weather is measured using the instrument shown? (1mk)
- (ii) Describe how the above instrument is used. (3mks)
- (c) *Study the table given below and answer the questions that follows:*

Days	S	M	T	W	T	F	S
Rainfall (mm)	50	49	55	45	60	60	49
Temp °C	22	24	23	22	21	22	23

- (i) Calculate the temperature range for the week. (1mk)
- The mean weekly rainfall. (2mks)

- (ii) State four characteristics of the weather of a station represented by the above date. (4mks)
- (d) Give four characteristics of the stratosphere. (4mks)
10. (a) (i) State three characteristics of horizon B in a soil profile. (3mks)
(ii) Apart from humus Give three components of soil. (3mks)
(iii) State three ways in which humus contributes to the quality of soil. (3mks)
- (b) (i) Differentiate between soil structure and soil texture. (2mks)
(ii) Explain how the following factors influence the formation of soil.
• Topography (6mks)
• Time (2mks)
- (c) Explain how the following farming practices may lead to loss of soil fertility.
(i) Overgrazing. (2mks)
(ii) Frequent ploughing (2mks)
(iii) Continuous irrigation (2mks)