## KCSE TRIAL 2020 GEOGRAPHY PAPER 1

## **SECTION A**

Answer All Q	Ouestions	in	<b>This</b>	Section
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- 1. (a) What is a Stevenson screen? (2 marks)
  - (b) Name **two** forms of precipitation that commonly occur in Kenya (2 marks)
- 2. (a) State **three** characteristics of the crust (3 marks)
  - (b) Give **three** reasons why the intensity of insolation is higher at equator than at Polar Regions. (3 marks)
- 3. (a) Identify **two** theories used to describe the origin of Fold Mountains. (2 marks)
  - (b) Give **three** effects of Fold Mountains on climate. (3 marks)
- 4. (a) Name **two** types of earth movements that occur within the earth's crust. (2 marks)
  - (b) Name **three** tectonic plates (3 marks)
- 5. (a) Define faulting (2 marks)
  - (b) State **three** effects of faulting on human environment (3 marks)

## **SECTION B**

## Answer Question 6 and Any Other Two Questions in This Section

- 6. Study the map of Yimbo 1:50,000 (sheet 115/1) provided and answer the following questions
  - a) What is the map name of the extract given? (1 mark)
  - b) Name the type of boundaries in the map extract. (2 marks)
  - c) Calculate the area of Mageta island (2 marks)
  - d) (i) Using a scale of 1cm represent 20M, draw a cross-section from grid reference 270850 to 330850. (4 marks)

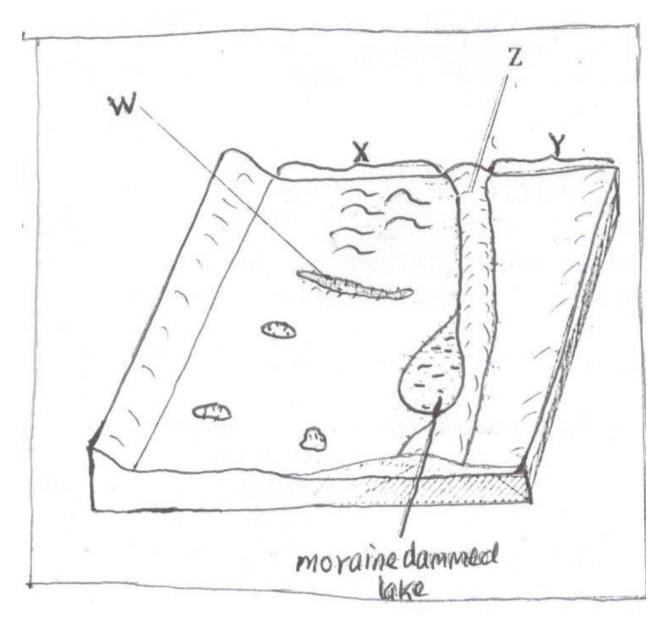
On it, mark and name the following features:

- Forest
- Hill
- River
- Swamp
- (ii) Calculate the vertical exaggeration of the map. (2 marks)
- e) Describe the long profile of River Yala. (5 marks)
- f) Citing evidence from the map, explain the factors that influence trade in the area covered by the map. (6 marks)
- 7. (a) Define the following

(i) Aridity (2 marks)

(ii) Wind (2 marks)

(b) (i) Explain **three** ways in which wind erodes weathered materials in arid areas. (6 marks) (ii) Name three features which develop under arid conditions as a result of wind erosion. (3 marks) (4 marks) (c) State **four** factors which influence wind transportation in desert. (d) (i) Apart from Wadis, name any three resultant features of water action in arid (3 marks) (ii) Describe the formation of a Wadi. (5 marks) 8. (a) What is a glacier? (2 marks) (b) Describe how the following glacial erosional processes occur. (i) Plucking (3 marks) (ii) Abrasion (3 marks) (c) The diagram below shows features on a glaciated lowland.



(i) Name the features marked W, X, Y and Z.	(4 marks)
(ii) Describe how a drumlin is formed.	(5 marks)
(d) Explain <b>four</b> negative effects of glaciations in low-land areas.	(8 marks)
9. (a) (i) Define weathering	(2 marks)
(ii) Explain the following processes of weathering	
a. Hydration	(2 marks)
b. Oxidation	(2 marks)
c. Frost action	(3 marks)
(b) State <b>three</b> conditions that influence the process of Solifluction.	(3 marks)
(c) Describe how an exfoliation dome is formed.	(5 marks)
(d) Explain <b>four</b> physical factors that enhance movement of material	along the slope due
to gravity.	(8 marks)

10. (a) Define the term vegetation.

(1 mark)

(b) Explain how the following factors influence the distribution of vegetation.

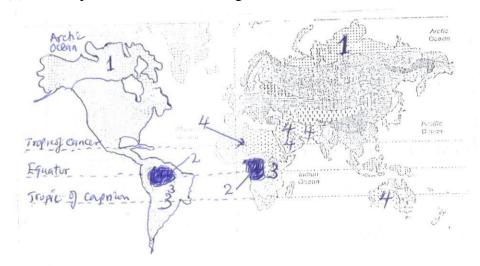
(i) Aspect

(2 marks)

(ii) Relief

(4 marks)

(c) The map below shows world vegetation zone



- (i) Name vegetation type marked 1, 2, 3 and 4. (4 marks)
- (d) Explain **four** ways in which trees in coniferous forests are adopted to the climatic conditions. (8 marks)
- (e) A form four Geography class is planning to carry out a field study in Kakamega forest.
  - (i) State how they would use the following tools during the study.

a. A tape recorder

(1 mark)

b. A sketch map

(1 mark)

c. A camera

(1 mark)

(ii) Give three methods they would use to collect the data during the study.

(3 marks)