

KCSE revision questions

Paper 1

### Section A

- 1.(a) Identify one branch of geography (1mk)
- b)Name two members of the solar system other than the planets (2mks)
- 2.(a) State two effects of revolution of the earth (2mks)
- b)Give one characteristic of the sial (1mk)
- 3.(a) Name the instrument used to measure sunshine (1mk)
- b)Explain how the coriolis force affect the direction of wind (2mks)
- c)Give two characteristics of cumulonimbus clouds (1mk)
- 4.(a)Describe two way how the earth is said to move (2mks)
- b)State two supportive factors behind continental drift theory (2mks)
- c)Explain two negative effects of volcanic action (2mks)
- 5.(a)Define block disintegration (1mk)
- b)Describe three ways in which gorges may be formed (3mks)
- c)Identify two characteristics of lake victoria (2mks)
- d)Give two factors that may lead to horizontal movement of oceanic waters (2mks)
- e)Briefly describe two factors that influence wind transportation (2mks)

### SECTION B

- 6.Study the map of Kisumu East (1:50,000) in provision and answer the following questions
- (a)Give the latitude and longitude of the winam Gulf (2mks)
- b)Calculate the area of nandi Escarpment enclosed by the provisional boundary (2mks)
- c)Give the bearing of kunya school in grid square 0191 from Manyenya School in grid square 0588 using the magnetic north (2mks)
- d)Calculate the distance of muhoroni-Kericho road from Easting 00 to 11 (Give your answer in kilometres and metres)(2mks)

e) Draw a sketch map of the region enclosed by easting 04 and 11 by the northing 92 and 00 using the scale of the map. On your sketch map, mark and name:

i) Nandi Escarpment (1/2 mk)

ii) The plantation (1/2 mk)

iii) Kapsabet-kibigori road (1/2 mk)

iv) The railway line (1/2 mk)

f) Describe two effects of relief on transport in the area covered by the map (2mks)

g) Explain the distribution of settlements in the area covered by the map (2mks)

h) You have been asked to carry out a field study on the sugar plantation in the region covered by the map. State the information you would collect (3mks)

7.a) Giving examples, describe the formation of chemical sedimentary rocks (2mks)

b) State three conditions necessary for the growth of coral (1 ½ mks)

c) Explain the processes involved in the formation of the rock in (b) above (3mks)

d) Give four significances of rock in the Kenyan economy (2mks)

e) Students from your school went out to carry out a field study on characteristics of rocks

i) State three characteristics of rocks they may have studied (1 ½ mks)

ii) State four ways in which the students prepared themselves for the study (2mks)

8.(a) State the reasons why some lakes have fresh water lakes (2mks)

b) Giving examples from Kenya, explain how the following types of lakes are formed. Illustrate your answer.

i) Rift valley lakes (3 ½ mks)

ii) Tarns (3 ½ mks)

c) Explain the influence of lakes on climate (4mks)

d) You intend to carry out a field study on Lake Paradise on Mt. Marsabit. State three problems you are likely to encounter while carrying out the study (3mks)

9.(a) Explain factors influencing the development of karst scenery (6mks)

b) Describe how the following features are formed. Illustrate your answer

i)Uvava (4mks)

ii)Sink hole (4mks)

iii)Limestone pillar (4mks)

c)Students from your school have been asked to carry out a field study in the shimoni caves at the coast of Kenya

i)Apart from the pillar,name three underground features they may have been studied (3mks)

ii)State two methods they may have used to collect the data (1mk)

iii)Identify two problems they may have encountered in the field during the field study (1mk)

10.The table below shows the mean monthly rainfall and temperature for station X

	J	F	M	A	M	J	J	A	S	O	N	D
Mean monthly rainfall (mm)	15	8	8	13	31	51	51	51	28	25	18	20
Mean monthly temperature (°c)	-22	-18	-12	-1	4	10	11	11	5	-11	-18	-22

a)use the best statistical methods to represent the above data (8mks)

b)Describe the climatic characteristics represented by the diagram you drew in 10(a) above (8mks)

c)Describe and account for the characteristics of tundra vegetation (7mks)

d)State two uses of Tundra vegetation (1mk)

e)You have been asked to carry out a field study on the climatic conditions on mt.kenya.Identify two aspects of climate you would study (2mks)