

GEOGRAPHY



THE KENYA CERTIFICATE OF SECONDARY EDUCATION

KCSE 2023 EXAMINER FINAL PREDICTION

A KCSE 2023 PREDICTION WITH PRECISION

This PDF Comprises of Expected KCSE 2023 Questions prepared by a panel of top KNEC writers. All the KCSE 2023 Candidates are advised to take the prediction questions therein seriously!

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Kenya Educators Consultancy Wishes all the KCSE 2023 Candidates the best of Luck ahead of the KCSE National Exams.



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Turn over



THE KENYA CERTIFICATE OF SECONDARY EDUCATION

KCSE 2023 EXAMINER FINAL PREDICTION

312/1 GEOGRAPHY

PAPER 1

Name: Index No:

Class: Candidate's Sign:

Date:

TIME: 2HRS 45 MINS

Instructions to Candidates

- ✓ Answer all questions in section A.
- ✓ In section B, Answer question 6 and any other two questions from the remaining questions.

For Examination use only.

| | Maximum Score | Candidate Score |
|-------------|---------------|-----------------|
| Section A. | 25 | |
| Question 6 | 25 | |
| Question 7 | 25 | |
| Question 8 | 25 | |
| Question 9 | 25 | |
| Question 10 | 25 | |
| TOTAL | 100% | |



SECTION A

Answer all questions in this section

- 1a) What is the relationship between Geography and Economics. (2marks)
- b) Differentiate between habitat and environment. (2marks)
- 2 a) Distinguish between extrusive and intrusive vulcanicity (2marks)
- b) Name **two** resultant features due to intrusive vulcanicity (3marks)
- 3 (a) List **three** components of the solar system (3marks)
- (b) State **three** characteristics of plane Jupiter. (3marks)
- 4 (a) State **three** factors which influence how rivers transport their load.(3marks)
- b) State **two** processes through which a river transports its load. (2marks)
- 5a) State **two** characteristics of minerals (2marks)
- b) State **three** ways in which metamorphic rocks are formed (3marks)



SECTION B

Answer question six and Any other two question in this section

6. (a) Study the map of **Kisumu East (1:50,000)**, sheet **116/2** provided and answer the following questions.

(i) Convert the **ratio scale** of the map to into a **statement scale**. (2marks)

(ii) Give **six figure grid reference** of the trigonometrical station **1154 SKP 21** in the southern part of the area covered by the map. (2marks)

(iii) Calculate the bearing of **Rabuor** market from Air photo Principal point in **GR 0986?** (2marks)

(b) i) Identify **two** drainage features in the area covered by the map. (2marks)

(ii) Using a vertical scale of 1cm to represent 100metres, draw a Cross-section to represent the area between GR:040940 and 040990. (4marks)

On it mark and name;

- **the escarpment.** (1 mark)
- **Power transmission line.** (1 mark)
- **Plantation.** (1 mark)

(ii) Describe the relief of the area covered by the map. (3marks)

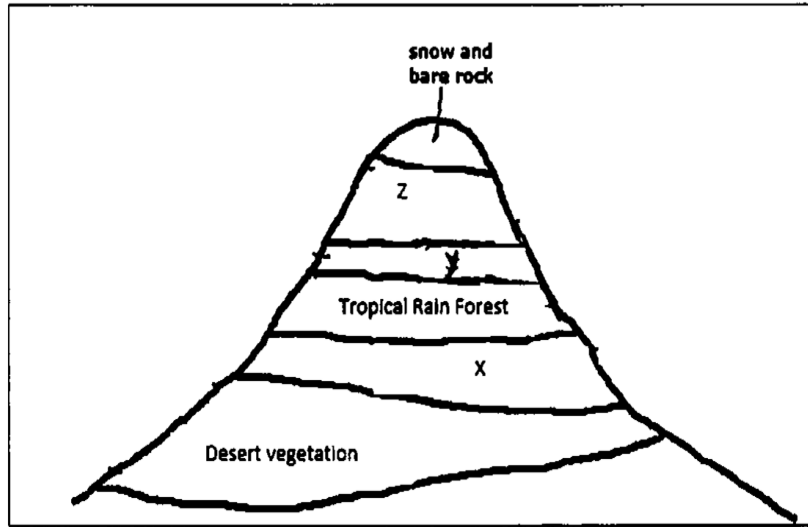
(c) i) Give **two** factors that favour cultivation of sugarcane in the area covered by the map. (2marks)

ii) Explain how relief has influenced settlement in the area covered by the map. (4marks)

(d) Students from the school at Mosongo (Grid square 0681) carried Out a field study of the course of the river Ombeyi.



- i) State **two** findings they are likely to have come up with. (2marks)
- ii) Give **two** advantages of studying rivers through fieldwork. (2marks)
- 7 (a) (i) Differentiate between a coastline and a shore. (2marks)
- (ii) Name **two** examples of marginal seas. (2marks)
- (b) i) Apart from oceanic island, name two features on the ocean floor (2marks)
- (ii) Give **two** examples of *Oceanic Islands* (2marks)
- (c) (i) State **four** conditions that favour the growth of corals. (4marks)
- (ii) Explain **three** ways in which corals contribute to the economic development of Kenya (6marks)
- (d) Members of your class intend to conduct a field study on depositional features along the Kenyan Coast.
- (i) State **two** reasons why they would need to carry an atlas during the study. (2marks)
- (ii) Name **two** features of deposition you are likely to identify during the study. (2marks)
- (iii) What problems are you likely to encounter during the field study? (3marks)
- 8 a) (i) Name two types of vegetation. (2marks)
- ii) Give **two** physiographic factors influencing vegetation distribution (2marks)
- (b) The diagram below shows vegetation zones of an East African mountain. Use it to answer questions b(i) and b(ii) below



i) Name the vegetation zones X, Y, and Z (3marks)

ii) Give **two** reasons why there is no vegetation cover on the top of the mountain. (2marks)

(c) (i) State the names given to temperate grassland vegetation in (2marks)

- North America----
- Argentina.....

(ii) Explain **three** uses of the vegetation labelled X, (6marks)

d) Explain **four** characteristics of tropical desert vegetation (8marks)

9 (a) (i) state **two** classifications of soil according to soil order (2marks)

ii) Draw a well labelled diagram of a mature soil profile (4marks)

(b) i) A part from topography name four other factors that influence formation of soil (4marks)

(ii) State three ways in which topography influences formation of soils.(3marks)

- (iii) State **three** characteristics of desert soil (3marks)
- (c) (i) Name **three** types of soil erosion (3marks)
- ii) Explain **three** effects of soil erosion on human activities (6marks)
- 10 (a) (i) What is an earth movement? (2marks)
- (ii) State **three** causes of earth movements. (3marks)
- (b) i) State **three** boundaries associated with tectonic plates (3marks)
- (ii) Describe how the Mid Atlantic ridge was formed. (3marks)
- (c) (i) Other than fold mountains, give two features that result from the folding process. (2marks)
- (ii) Describe how the Alps and Atlas Mountains were formed. (6marks)
- (d) Explain **three** positive influences of fold mountains (6marks)



THE KENYA CERTIFICATE OF SECONDARY EDUCATION

KCSE 2023 EXAMINER FINAL PREDICTION

312/2 GEOGRAPHY

PAPER 2

Name: Index No:

Class: Candidate's Sign:

Date:

312/2

Geography Paper 2



Instructions : This paper contains two section And B

Answer all questions in section A and any two questions from section B

1. (a) i) Apart from geothermal power, name three other renewable sources of energy in Kenya (3Marks)

ii. State two factors that limit exploitation of geothermal power in Kenya (2Marks)

2. (a) . Give **four** advantages of air transport over water transport. (4Marks)

(b.) Name three types of communication. (3Marks)

3 (a) Name two tourist attraction found in Kenyan Rift Valley. (3Marks)

(b) State three factors that hinder domestic tourism in Kenya. (3Mark)

4.(a) What are floods? (2Marks)



- (b) Mention two advantages of farrow irrigation. (2 Marks)
- (c) Name one river which causes large scale flooding in Kenya. (1 Mark)
5. (ii) Name three major imports from Europe to Kenya (2Marks)
- (b) State four factors that influence internal trade in Kenya (3Marks)

SECTION B

Answer question 6 and any other questions from this section

6. The table below shows total number of livestock in Kenya in 2012

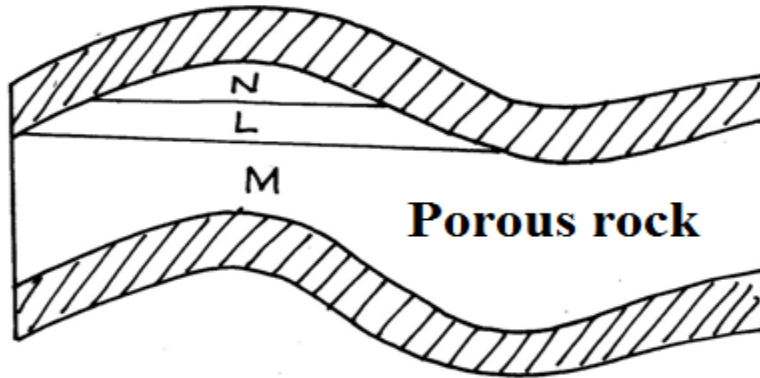
| Type of livestock | Number in millions |
|-------------------|--------------------|
| Dairy cattle | 2.4 |
| Sheep | 7.0 |
| Goats | 7.2 |
| Pigs | 8.5 |
| Total | 25.1 |

Source: Central Bureau of Statistics

- (a) Draw a divided rectangle 15 cm to represent the data give above 7Marks
- (b) Explain why the population of sheep is higher than that of dairy cattle 2Marks
- (c) Explain four ways in which the government of Kenya assist nomadic pastoralist to improve the quality of their livestock 4Marks
- (b) Explain three factors that favour beef farming in Argentina. 3Marks

7. (a) (i) What is rural settlement? (2 Marks)
- (ii) State three characteristics of rural settlements. (3 Marks)
- (b) Explain three factors that led to the growth of Kisumu (6 Marks)
- (c) Explain how the following problems facing Kisumu can be solved.
- (i) Pollution (2 Marks)
- (ii) Crime (2 Marks)
- (iii) Unemployment (2 Marks)
- (d) Explain how Rotterdam port differs from Mombasa port (8 Marks)
- 8 a) i). Differentiate between indigenous and exotic forests. (2Marks)
- (ii) Name two exotic hardwood trees species found in Kenya (2Marks)
- iii). State three factors that lead to depletion of forests in Kenya. (3Marks)
- b). Explain three factors that favour the growth of natural forests on the slopes of Mt. Kenya (6Marks)
- c). Compare forestry in Kenya and Canada under the following headings;
- i). Mode of exploitation (2Marks)
- ii). Transport (2Marks)
- d). i). State three factors favouring the development of softwood forests in Canada (3Marks)
- ii). Give four measures used to conserve forests in Kenya. (4Marks)
- 9.a) i) Name two Methods of Land reclamation (2Marks)
- ii) Name two Methods of swamp drainage (2Mark)
- b) i) Give two rivers that supply water to Mwea irrigation scheme 2Marks
- ii) Explain how the following factors influence establishment of Mwea irrigation scheme
- (i). Topography 2Marks
- (ii). Soils 2Marks
- (iii). Population 2Marks
- (iv). Government policy 2Marks
- c) i) Identify three areas of Zuider zee project takes place. 3Mark
- ii) Explain four differences between land reclamation in Kenya and Netherlands. (8Marks)

10. (a)(i) Name the substances marked L, M, N in the diagram below (3Marks)



L-

M-

N-(3 Marks)

(ii). Give three by-products obtained when crude oil is refined (3Marks)

(b). State five effects of mining on the environment (5Marks)

(c)(i) Describe the stages involved in the processing of Trona from lake Magadi (6Marks)

(ii) Explain four Ways in which Kenya has been profited from the mining of Trona on lake Magadi (8Marks)