

GEOGRAPHY



THE KENYA CERTIFICATE OF SECONDARY EDUCATION

KCSE 2023 BLUE PRINT 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!

**For Marking Schemes Contact
0724333200/ 0795491185**

Mr Machuki

Confidential!!!

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



317083

©2023 The Kenya National Examinations Council



Turn over



THE KENYA CERTIFICATE OF SECONDARY EDUCATION
KCSE 2023 BLUE PRINT PREDICTION
312/1 GEOGRAPHY
PAPER 1

Name: Index No:

Class: Candidate's Sign:

Date:

321/1
GEOGRAPHY
PAPER 1
2 ¾ HOURS

Kenya Certificate of Secondary Education
GEOGRAPHY
PAPER 1
2 ¾ HOURS



INSTRUCTIONS TO CANDIDATES.

This paper has two sections A and B.
Answer all questions in section A
In section B, Answer answers question 6 and any other two questions

This paper consists of 4 printed pages

Please Turn Over



SECTION A: ANSWER ALL THE QUESTIONS IN THIS SECTION

1. (a) Give two reasons why solar insolation decreases with latitude (2mks)

(b) State two ways by which the earth's atmosphere is heated (2mks)

2. (a) Name three layers of the atmosphere (3mks)



(b) Give two layer of the atmosphere which register negative lapse rate (2mks)

(c) In which layer is the ozone gas found? (1mk)

3. (a) Differentiate between meteors and meteorites

(2mks)

(b) State two reasons why the interior of the earth is still very hot

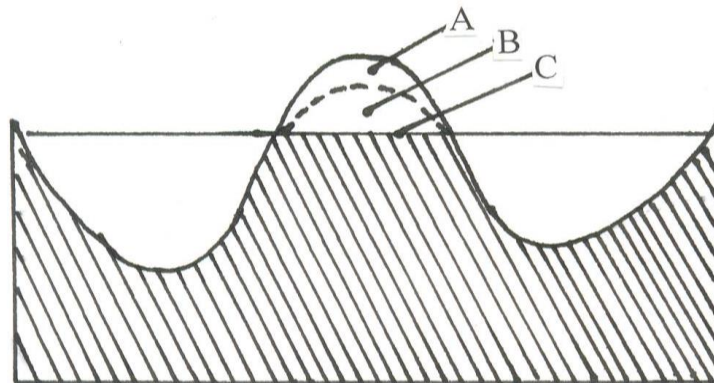
(2mks)

4. (a) The diagram below represents the three Zones of a water table

A B C

Name the zones labeled A, B and C

(3mks)



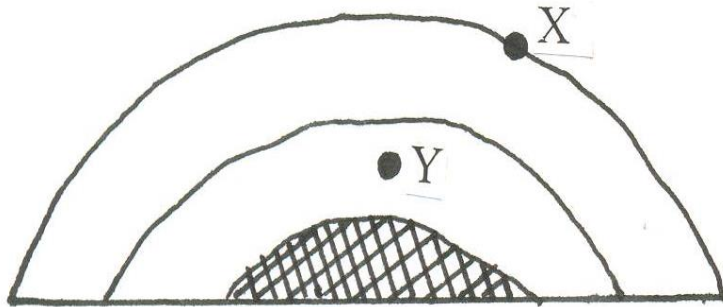
(b) Give two conditions necessary for the formation of an artesian well

(2mks)

5. (a) What is an earthquake?

(2mks)

(b) The diagram below shows the internal structure of the earth.



(i) Identify points X and Y in relation to earthquakes.

(2mks)

(ii) Name two types of waves associated with earthquakes

(2mks)

SECTION B:

Answer question 6 and any other two questions.

6. Study the map of Belgut 1:50,000 provided and answer the following questions.
- a. (i) What is the grid reference of the trigonometrical station (other) in grid square 3658? (1mk)
- (ii) State two man-made features found in grid square 4056 (2mks)
- b. (i) Using the marginal information, give the magnetic variation of the area when the map extract was drawn. (2mks)
- (ii) Measure the distance of the all weather road loose surface (C25) from the junction at Kiptere (grid square 3456) to the junction at (grid square 3957). Give your answer in kilometers.
- c). Citing evidence from the map, state three economic activities taking place in Belgute area (3mks)

d). (i) Describe the drainage of the area covered by the map (5mks)

(ii) State two methods that have been used to represent relief in the map extract (2mks)



e). Citing evidence from the map, explain four factors that favour the growing of tea in Belgut area (8mks)

7. a). (i) State three activities of wind in deserts (3mks)

(ii) Give three physical factors which contribute to development of deserts. (3mks)

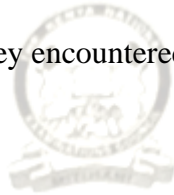
b). Using well labeled diagrams, describe the formation of yardangs (6mks)



- c). (i) Explain three ways in which wind transports its load in the desert (6mks)
(ii) State two factors that influence wind transport in deserts. (2mks)

- d). Students of Garissa secondary school undertook a field study in a nearby desert.
(i) State three water erosional features they identified (3mks)

- (ii) State any two problems they encountered during the study (2mks)



8. a). Define the term folding (2mks)

- b). (i) State two causes of folding (2mks)

(ii) With the aid of well labeled diagrams describe how a fold mountain is formed (8mks)



(iii) Name two fold mountains in Africa (2mks)

c). Explain the significance of fold mountains

(8mks)



d).A part from Fold Mountains, Name three other features that result from folding

(3mks)

9. a) (i) Name two types of vegetation

(2mks)

(ii) Explain four factors that influence vegetation distribution of the world (8mks)



(iii) Describe two characteristics of tropical desert vegetation that help them adapt to the harsh environment

(4mks)

b). State three uses of savanna vegetation (3mks)

c). Your class intends to carry out a field study on different types of vegetation and their uses within the vicinity of your school.

i) State two preparations they made for the study (2mks)

ii) Apart from identifying the different types of plants, state two other activities they carried out during the field study (2mks)



d) Describe the method they would use to determine the following aspects of trees
Age of trees (2mks)

Height of trees (2mks)

10. a). (i) Differentiate between soil profile and soil catena (2mks)

(ii) Draw a well labelled diagram of soil catena (5mks)



b). (i) State three factors that influence soil formation (3mks)

(ii) Identify two components of soil (2mks)

c). Explain four farming methods that help conserve soils (8mks)

d). Students from Baraka school intend to carry out a field study on soil around their school.

(i) State three reasons why they would need a route map (3mks)

(ii) Name two tools they will need to carry during their study (2mks)

CONFIDENTIAL

School to have enough copies of maps for Belgut (1 : 50,000





THE KENYA CERTIFICATE OF SECONDARY EDUCATION

KCSE 2023 BLUE PRINT PREDICTION

312/2 GEOGRAPHY

PAPER 2

Name: Index No:

Class: Candidate's Sign:

Date:



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

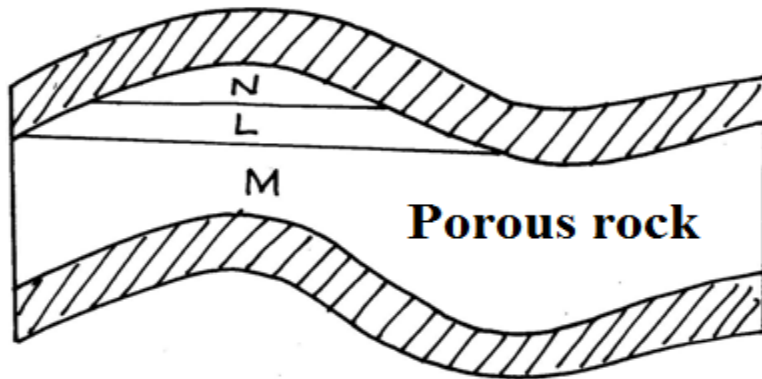
6. The table below shows total number of livestock in Kenya in 2012

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)