

Kenya Certificate of Secondary Education
FORM 4 END TERM ONE EXAMINATIONS
312/1 GEOGRAPHY Paper 1
March 2024

TIME: 2¾ Hours

Name:ADM No:Stream:

Instructions to candidates

- (a) Write your name, admission number and class in the spaces provided above.
- (b) This paper has **two** sections: **A** and **B**
- (c) Answer **all** the questions in section **A**
- (d) Answer **question 6** and any other **two** questions from section **B**
- (e) All answers must be written in the spaces provided after Question 10.
- (f) This paper consists of 14 printed pages.
- (g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

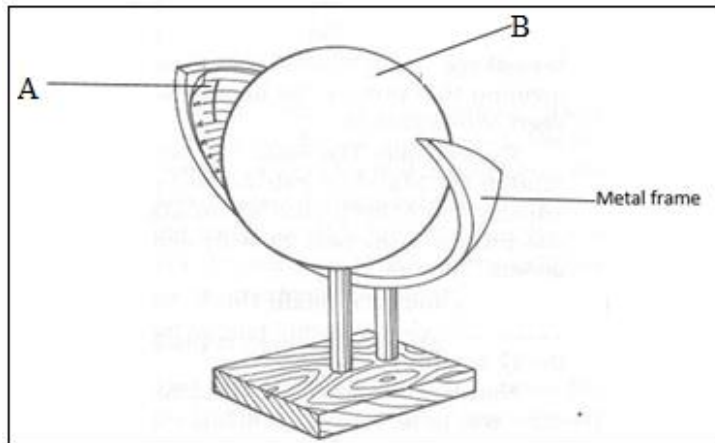
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Section	Questions	Candidate's Score	Maximum Score
A	1 – 5		25
B	6		25
			25
			25
	Total Score		100

SECTION A

Answer all questions in this section.

- What is a natural satellite? (2 marks)
 - State **three** characteristics of planets. (3 marks).
- The diagram below shows one of the weather measuring instruments.



- Give the weather element measured using the above instrument. (1 mark)
 - Name the parts marked **A** and **B**. (2 marks)
 - State **three** factors considered when siting a weather station. (3 marks)
- Name **two** fault scarps in Kenya. (2 marks)
 - Give **two** causes of earth movements. (2 marks)
 - Identify **two** features formed by underground water. (2 marks)
 - State **three** conditions that encourage development of karst scenery. (3 marks)
 - Differentiate between an ice sheet and an iceberg. (2 marks)
 - Give **three** features formed by glacial erosion in lowlands. (3 marks)

SECTION B

Answer question 6 and any other two questions in this section.

6. Study the map of Mumias 1:50,000 (sheet 101/2) provided and answer the following questions.
- (a) (i) Name **two** map sheets to the north of Mumias. (2 marks)
- (ii) Give six-figure grid reference of Khamashia school in the eastern side. (2 marks)
- (iii) Measure the length of the road **C532** from the junction with road **C533** to Musanda. Give your answer in kilometres. (2 marks)
- (b) (i) Give **two** methods that have used to represent relief in the area covered by the map. (2 marks)
- (ii) Identify **three** human made features in grid square **5037**. (3 marks)
- (c) Describe the drainage of the area covered by the map. (4 marks)
- (d) (i) Draw a rectangle 20 cm by 16 cm to represent the area enclosed by eastings **46** and **50** and northings **41** and **44**. (1 mark)
- (ii) In the rectangle, mark and name the following;
- Woodland vegetation (1 mark)
 - Bumala dam (1 mark)
 - Papyrus swamp (1 mark)
- (iii) Calculate the new scale of your map. (2 marks)
- (e) Citing evidence from the map, identify economic activities carried out in Mumias. (4 marks)
7. (a) (i) Give **two** examples of non-metallic minerals. (2 marks)
- (ii) Identify **two** ways in which rocks can be classified. (2 marks)
- (b) Describe how the following rocks are formed.
- (i) Hypabyssal rocks (4 marks)
- (ii) Mechanically formed sedimentary rocks (4 marks)
- (c) (i) Outline the changes that occur when rocks undergo metamorphism. (4 marks)
- (ii) State **three** characteristics of volcanic rocks. (3 marks)

(d) Explain **three** significances of rocks to the economy of Kenya. (6 marks)

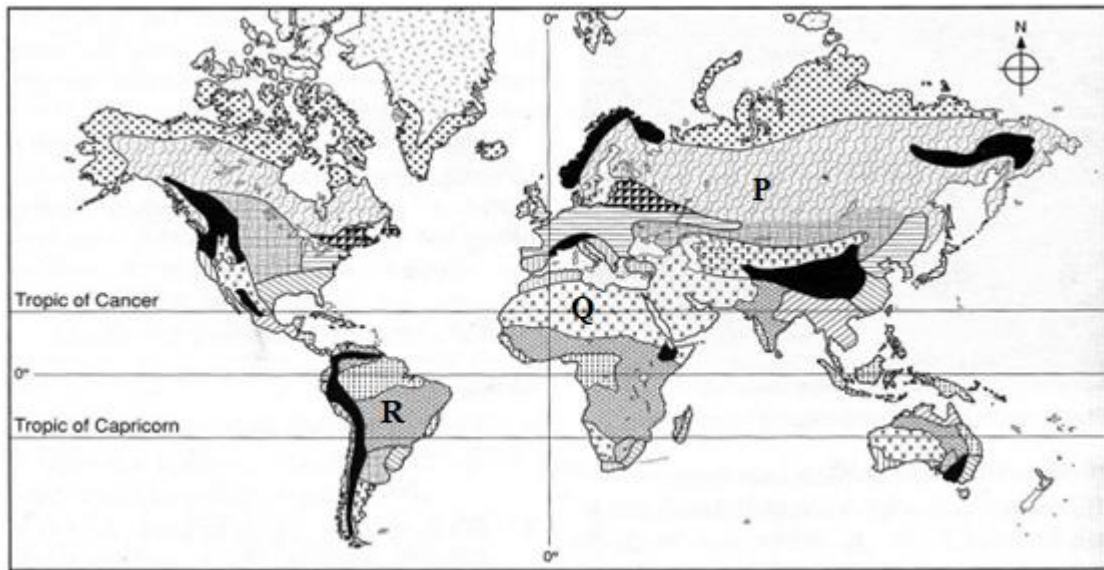
8. (a) (i) What is derived vegetation? (2 marks)

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

• Relief (4 marks)

• Wind (4 marks)

(b) The map below shows the distribution of major vegetation regions of the world.



(i) Identify the vegetation regions marked **P** and **R**. (2 marks)

(ii) Explain how the vegetation in the region **Q** is adapted to the environment. (8 marks)

(c) State **five** uses of forests. (5 marks)

9. (a) Identify **three** types of river erosion. (3 marks)

(b) (i) A part from waterfalls, give **two** other features of river erosion. (2 marks)

(ii) State **four** ways through which waterfalls are formed. (4 marks)

(c) With the aid of diagrams, describe how an ox-bow lake is formed. (8 marks)

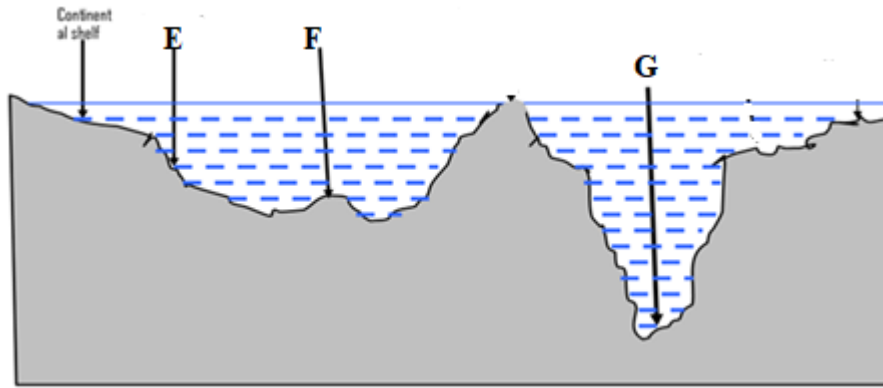
(d) (i) What is river rejuvenation? (2 marks)

(ii) Explain **three** causes of river rejuvenation. (6 marks)

10. (a) (i) Define the term ocean. (2 marks)

(ii) Name **three** main oceans on the earth's surface. (3 marks)

(b) The diagram below shows ocean topography. Use it to answer the questions that follow.



- (i) Name the parts marked **E**, **F** and **G**. (3 marks)
- (ii) State **three** characteristics of continental shelf. (3 marks)
- (c) (i) Give **two** factors that determine the rate of wave erosion. (2 marks)
- (ii) Describe how a wave-cut platform is formed. (7 marks)
- (d) Members of your class are planning to carry out a field study on a submerged highland coast.
 - (i) Give **two** types of submerged highland coasts you're likely to visit. (2 marks)
 - (ii) State **three** reasons why you would need a working schedule. (3 marks)



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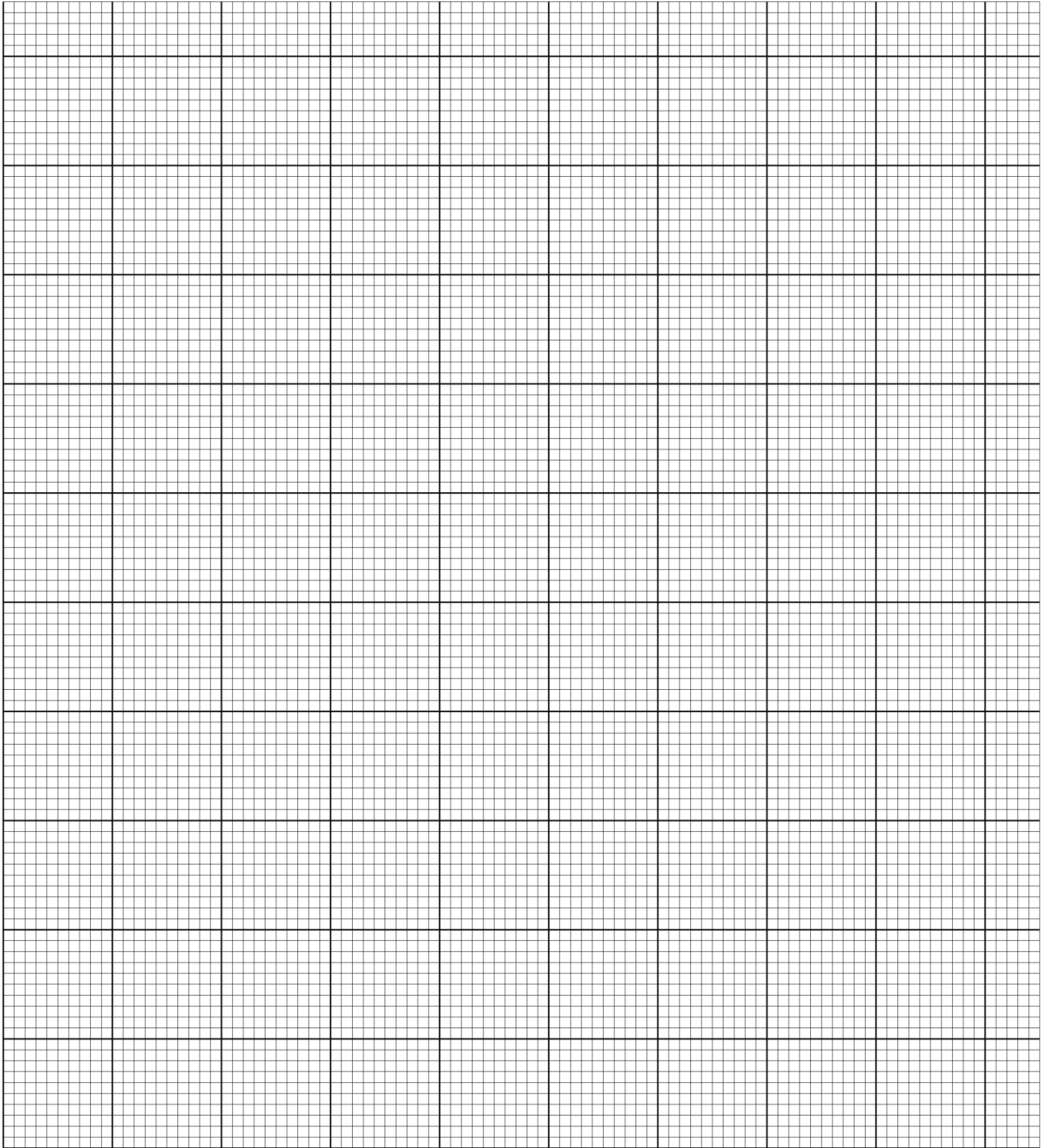
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Kenya Certificate of Secondary Education

312/2

GEOGRAPHY

Paper 2

MARCH/APRIL, 2024

Time 2 hours 45 min.

INSTRUCTIONS TO STUDENTS

- This paper has **two** sections **A** and **B**
- Write all the personal details in the spaces provided
- Answer **ALL** the questions in section **A**. In section **B** answer questions **6** and any other **TWO** questions.
- Answer the Questions in English.

For examiners use only.

	<u>Expected score</u>	<u>Students score</u>
<i>Section A</i>	25	
<i>Number 6</i>	25	
	25	
	25	
	100	

Section A: Answer All Questions in This Section

- 1.(a) What is Human Environment? (2Marks)
- (b) Identify areas of study under the Human Environment. (3 Marks)
- 2(a) Give two reasons why pastoralists keep large herds of animals. (2 Marks)
- b) Give three ways in which the government of Kenya assist nomadic pastoralists (3 Marks)
- 3(a) What is a polder? (2 Marks)
- (b) State three ways of land reclamation. (3 Marks)
- 4(a) State three problems facing crop farming in Kenya. (3 Marks)
- (b) Outline two problems facing coffee farming in Kenya (2 Marks)
5. (a) A photograph is divided into three main parts. Name them. (3 Marks)
- (b) State two limitations of using photographs. (2 Marks)

SECTION B: Answer question 6 and any other two questions in this section

6. The table below shows the prices of sugar in Kenya shillings per ton in some countries in Africa. Use it to answer questions

YEAR	KENYA	UGANDA	TANZANIA	ZAMBIA
2014	93,400	61,923	67,102	84,556
2015	109,224	67,624	65,785	93,768
2016	110,897	65,170	90,647	86,236

- a) (i) Draw a divided rectangle 16cm long to represent the prices of sugar in the year 2016 (8Marks)
- (ii) State **two** advantages of using divide rectangle to present statistical data (2Marks)
- (b) Give **three** physical factors that influence the growing of sugar cane in Kenya (3 Marks)
- (c). Describe the stages involved in processing of sugarcane at the factory (7Marks)
- d). State five challenges facing sugar farming in Kenya (5 Marks)
- 7(a) (i) Distinguish between a forest and forestry. (2Marks)
- (ii) Name **two** indigenous softwood trees species found in Kenya (2Marks)
- (b)(i) Mention 3 characteristics of planted forests. (3Marks)
- (ii) Name **two** forest reserves in West of the Rift valley of Kenya (2 Marks)
- b) (i) State **four** characteristics of temperate hardwood forests. (4Marks)

(ii) Explain any **three** problems which have limited exploitation of tropical hardwood forests in Africa **(6Marks)**

c) Give the difference between exploitation of softwood forests in Kenya and Canada under the following headings:

i) Trees species **(2Marks)**

(ii) Mode of exploitation **(2Marks)**

(iii) Marketing of products **(2Marks)**

8.a) Define the term mineral **(2Marks)**

b) i) Name **two** areas in South Africa where diamond is mined **(2Marks)**

ii) Give **four** ways in which minerals occur **(4Marks)**

c) i) Explain **Three** negative effects of mining on the environment **(6Marks)**

ii) Identify any **two** main methods of mining **(2Marks)**

iii) Name a port through which minerals in East Africa are exported **(1 Mark)**

d) Explain **four** ways in which soda ash contributes to the economy of Kenya) **(8Marks)**

9. (a) i) Name **three** exotic breeds of beef cattle reared in commercial ranches in Kenya.

(3Marks)

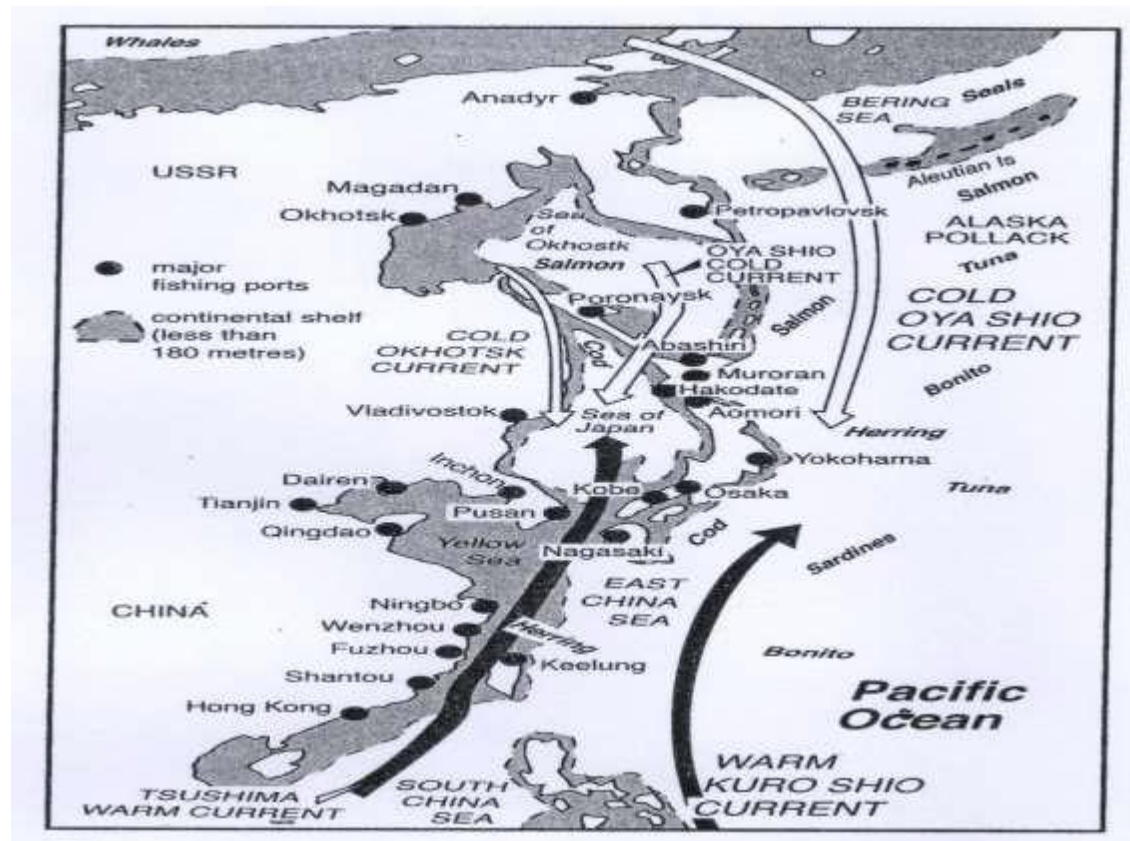
(ii). Explain **three** problems facing commercial beef farming in Kenya. **(6 Marks)**

(b). State four physical factors that favour dairy farming in the Kenya highlands **(4Marks)**

(c) i) Apart from fresh milk name four other dairy products **(4 Marks)**

(ii) Explain **four** ways in which dairy farming in Kenya is different from dairy farming in Denmark. **(8Marks)**

10. (a) The diagram below shows a fishing ground in the Pacific Ocean.



- (i) Identify the fishing ground shown above. (2 Marks)
- (ii) Name **two** types of fish species found in the fishing ground above. (2 Marks)
- (b) (i) Differentiate between fishing and fisheries. (2 Marks)
- (ii) Name **two** inland types of fisheries in Kenya. (2 Marks)
- (c) (i) Describe the long lining fishing method. (4 Marks)
- (ii) Explain **three** physical factors that have influenced the development of fishing in Japan. (6 Marks)
- (d) (i) State **four** problems that face Marine fishing in Kenya. (4 Marks)
- (ii) Give **three** ways of conserving fresh water fisheries in Kenya. (3 Marks)