



MANGU HIGH SCHOOL

Name: Index No:.....

Adm No..... Class:

312/1

GEOGRAPHY

PAPER 1

MOCK EXAMS - 2022

TIME: 2 ½ HOURS

Instructions to candidates

- Write your Name and Index Number in the spaces provided above,
- This paper consists of two Sections; A and B.
- Answer all the questions in Section A.
- Answer question 6 and any other two questions from Section B.
- This paper consists of 5 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- Indicate the question you have chosen to do in section B in the table below

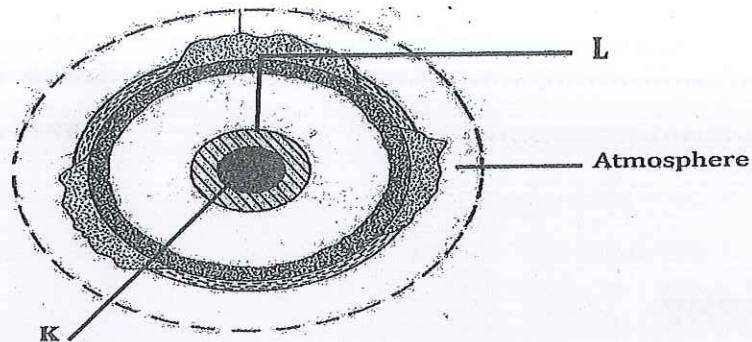
For Examiner's use only

Section	Question	Maximum score	Candidate's score
A	1 – 5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

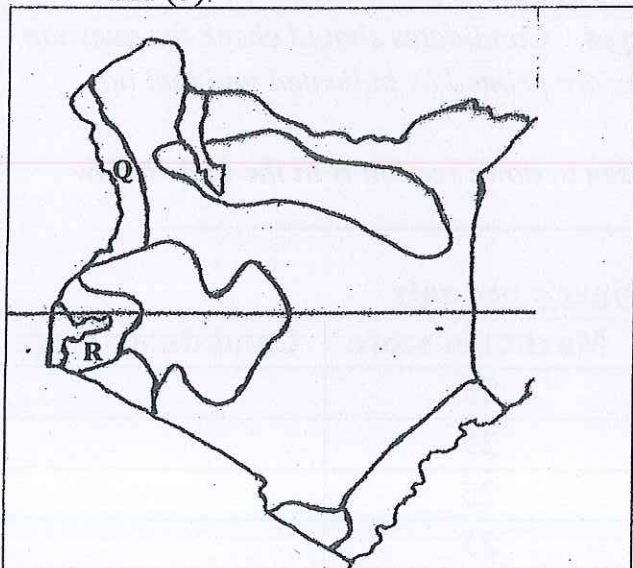
SECTION A

Answer all questions in this section

1. The diagram below shows the structure of the earth.

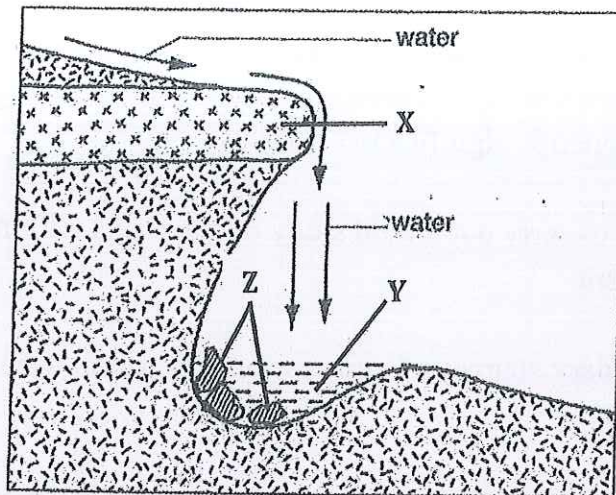


- (a) Name the parts marked K and L. (2 marks)
- (b) Describe the composition of the mantle. (3 marks)
2. (a) State *two* factors influencing atmospheric pressure on the earth's surface. (2 marks)
- (b) Describe how a rain gauge is used to measure the amount of rainfall. (3 marks)
3. The map below shows climate regions in Kenya. Use it to answer question (a) and (b).



- (a) Name the climatic regions Q and R. (2 marks)
- (b) Give *three* characteristics of the climate in the region marked R. (3 marks)

4. (a) Distinguish between block disintegration and exfoliation. (2 marks)
- (b) State *three* economic benefits of weathering process. (3 marks)
5. (a) The diagram below shows a waterfall. Name the parts marked X, Y and Z. (3 marks)



- (b) Give *two* ways in which a gorge may be formed. (2 marks)

SECTION B

Answer question 6 and any two other questions from this section

6. Use the map of Nyeri to answer question 6.
- i) What is the map title? (1mark)
- ii) Identify two districts found in Nyeri. (2marks)
- iii) Identify index to adjoining sheet found in the Northern and Southern. (2marks)
- b) i) Name any three types of land transport found in Nyeri. (3marks)
- ii) Name two Physical features found in grid square 6258. (2marks)
- c) Describe relief of the area covered by the map. (7marks)
- d) Citing evidence, explain four physical factors which favour cattle keeping. (8marks)

7. (a) What is a rock? (2 marks)
- (b) Describe how the following types of rocks are formed.
- (i) Extrusive igneous rocks. (6 marks)
- (ii) Mechanically formed sedimentary rocks. (5 marks)
- (c) Explain three economic significance of rocks. (6 marks)
- (d) You are planning to carry out a field study on the rocks within your school environment.
- (i) Give three secondary sources of information you would use to prepare for the field study. (3 marks)
- (ii) Suppose during the field study you collected *granite*, *lamprohyre* and *Andesite*, classify each sample according to its type of igneous rock. (3 marks)
8. (a) Differentiate between folding and faulting. (2 marks)
- (b) The table below shows types of folds and faults. For each, identify the type it belongs to.
- (i) Asymmetrical - (1 mark)
- (ii) Reverse - (1 mark)
- (iii) Isoclinal - (1 mark)
- (iv) Shear - (1 mark)
- (v) Over thrust - (1 mark)
- (c) Using well labelled diagrams, describe how Fold Mountains are formed. (11 marks)
- (d) Describe how a high fold mountain located at a coastal region influences the formation of rainfall. (7 marks)

9. a) Identify **three** processes of glacial erosion. (3marks)
- b) Explain how the following influences the rate of glacial erosion. (6marks)
- i) Speed of glacier
 - ii) Weight and thickness of glacier
 - iii) Amount of rock materials
- c) Describe how the following features are formed
- i) Pyramidal peak. (5marks)
 - ii) Hanging valley (6marks)
 - iii) Roche montanee (5marks)
- 10 (a) Name **two** types of submerged coasts. (2 marks)
- (b) Explain how the following factors determine the effectiveness of wave erosion along the coast.
- (i) Nature of material transported by waves. (2 marks)
 - (ii) Nature of coastal rock. (2 marks)
- (c) With the aid of a labeled diagram, describe the processes through which a blowhole is formed. (9 marks)
- (d) (i) State **four** conditions that favour the growth of coral. (4 marks)
- (ii) Explain **three** ways in which coral contributes to the economy of Kenya. (6 marks)

This is the last printed page