NYAMBARIA HIGH SCHOOL

END OF YEAR EXAMS

Paving Way For Kenya Certificate of Secondary Education Success

Name …….. Admission no…….

Candidate's Signature…… Date…….

FORM 3

GEOGRAPHY

PAPER 1

TIME: 2Hours

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.*

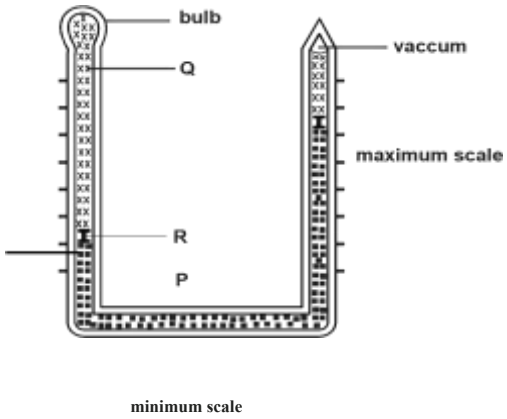
For Examiner's Use Only

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.

1. (a) The diagram below shows a six's thermometer.



Name the parts marked **P**, **Q** and **R**. **(3 marks)**

(b) The table below represents the rainfall and temperatures data of station **X**.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp °C	28.9	29.7	30.3	29.9	29.7	29.2	28.4	28.7	29.6	30.1	29.2	28.7
Rainfall mm	9.0	8.0	21.0	49.0	25.0	9.0	20.0	10.0	4.0	10.0	17.0	11.0

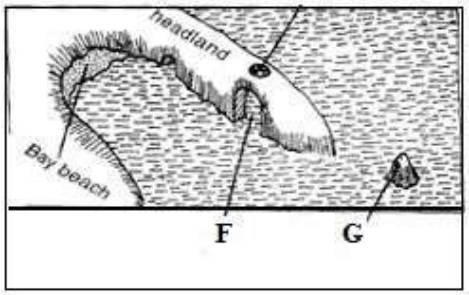
(i) What is the annual range of temperature? **(1 mark)**

(ii) Calculate the total rainfall of the station. **(1 mark)**

2. (a) What is rock metamorphism? **(2 marks)**

(b) Give **three** examples of chemically formed sedimentary rocks. **(3 marks)**

3. The diagram below shows erosional features of the waves at the coast. Use it to answer question (a)



(a) Identify the features marked **F** and **G**. **(2 marks**

(b) Give **three** submerged upland coasts **(3 marks)**

4. (a) Describe how lava-dammed lake is formed. **(3 marks)**

(b) State **two** ways in which lakes influence the climate of the surrounding areas. **(2 marks)**

5. (a) Distinguish between soil profile and soil catena **(2 marks)**

(b) Give **three** soil forming processes. **(3 marks)**

Contact 0724333200/0795491185 for marking schemes or order online at
www.kenyaeducators.co.ke

SECTION B

Answer question 6 and any other two questions from this section

6. Study the map of Kijabe (Sheet 134/3, 1:50,000) provided and answer the following questions

(a) i) Give the longitudinal extent of the map **(2 marks)**

ii) Identify **two** human-made features found in grid square 2801 **(2 marks)**

(b) i) Citing evidence from the map give **two** social functions carried out in the area covered by the map **(2 marks)**

ii) Measure the distance of the road B3 from the junction in grid square 3191 to the south west edge of the map. Give your answer in kilometres. **(2 marks)**

(c) State **two** evidences that show the area covered by the map receives high rainfall. (**2 marks)**

Contact 0724333200/0795491185 for marking schemes or order online at
www.kenyaeducators.co.ke

(d) Using a scale of 1cm to represent 100m draw a cross-section from Easting 30 to 38 along Northing 91 **(4 marks)**

i) On it mark and name the following

- River Ewaso Kedong **(1 mark)**
- Thicket **(1 mark)**
- Dry weather road (E 443) **(1 mark)**

iii) Calculate the vertical exaggeration of the cross-section **(2 marks)**

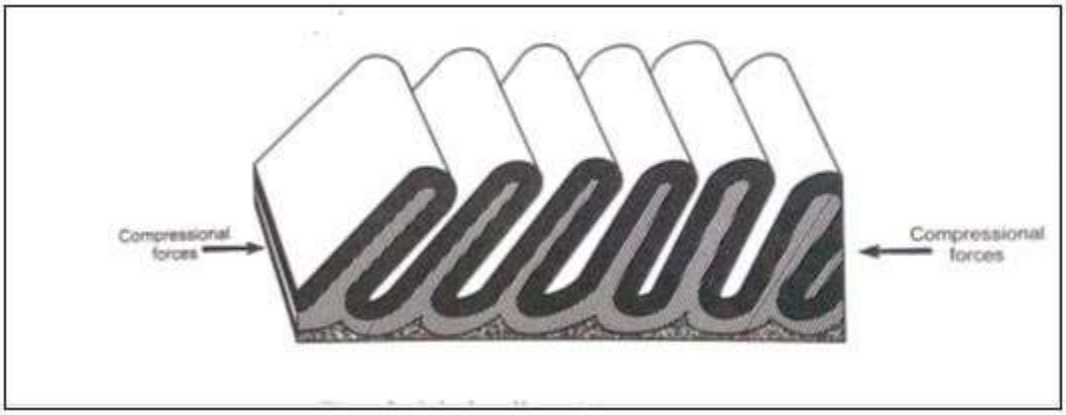
(e) Explain **three** factors that have influenced the distribution of settlement in the area covered by the map **(6 marks)**

7. (a) i) What is folding? **(2 marks)**

ii) Name **three** fold mountains formed during Caledonian Orogeny. **(3 marks)**

(b) State **four** characteristics of folded landscape. **(4 marks)**

(c) The diagram below shows a type of fold.



i) A part from the above fold, give **three** other types of folds. **(3 marks)**

ii) Describe how the above type of fold is formed. **(5 marks)**

(d) Explain **four** effects of fold mountains on human activities. **(8 marks)**

8. (a) i) Identify **two** types of desert surfaces **(2 marks)**

ii) Describe **two** wind erosion processes on desert surfaces. **(4 marks)**

(b) i) Give **four** factors influencing wind transportation in the desert **(4 marks)**

ii) Name **three** features resulting from wind deposition in the desert areas. **(3 marks)**

(c) With the aid of well labelled diagrams, describe how a yardang is formed. **(6 marks)**

(d) Students from your class conducted a field study in Chalbi desert

i) State **three** preparations they made for the study **(3 marks)**

ii) Outline **three** problems they are likely to encounter during the field study **(3 marks**

9. (a) i) What is a glacier? **(2 marks)**

ii) Describe how glacier is formed. **(4 marks)**

(b) Describe **two** processes through which ice moves. **(6 marks)**

(c) i) Apart from crag and tail, name **two** other features formed by ice erosion in lowlands. **(2 marks)**

ii) Describe how a crag and tail is formed. **(5 marks)**

(d) Explain **three** positive effects of glaciation in the lowland areas. **(6 marks)**

Contact 0724333200/0795491185 for marking schemes or order online at
www.kenyaeducators.co.ke

10. (a) (i) What is an artesian basin? **(2 marks)**

(ii) Explain **three** factors which influence the formation of features in limestone areas. **(6 marks)**

(b) (i) A part from stalagmites, name **two** other underground features in limestone areas. **(2 marks)**

(ii) With the aid of a diagram, describe how a stalagmite is formed. **(8 marks)**

(c) Your supposed to carry out a field study on limestone region.

i) Give **two** reasons why you would need a map of the area of study. **(2 marks)**

ii) Identify **two** methods you would use to record data during the study. **(2 marks)**

iii) State **three** reasons why you are likely to find few interviewees during the study. **(3 marks)**

……

……

……

……

……

……

……

……

……

……

……

……

Contact 0724333200/0795491185 for marking schemes or order online at
www.kenyaeducators.co.ke

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……

……
……

……

……

……

……

……

Contact 0724333200/0795491185 for marking schemes or order online at www.kenyaeducators.co.ke

……

……

……

Contact 0724333200/0795491185 for marking schemes or order online at www.kenyaeducators.co.ke

……

……

……

……

……

……

……

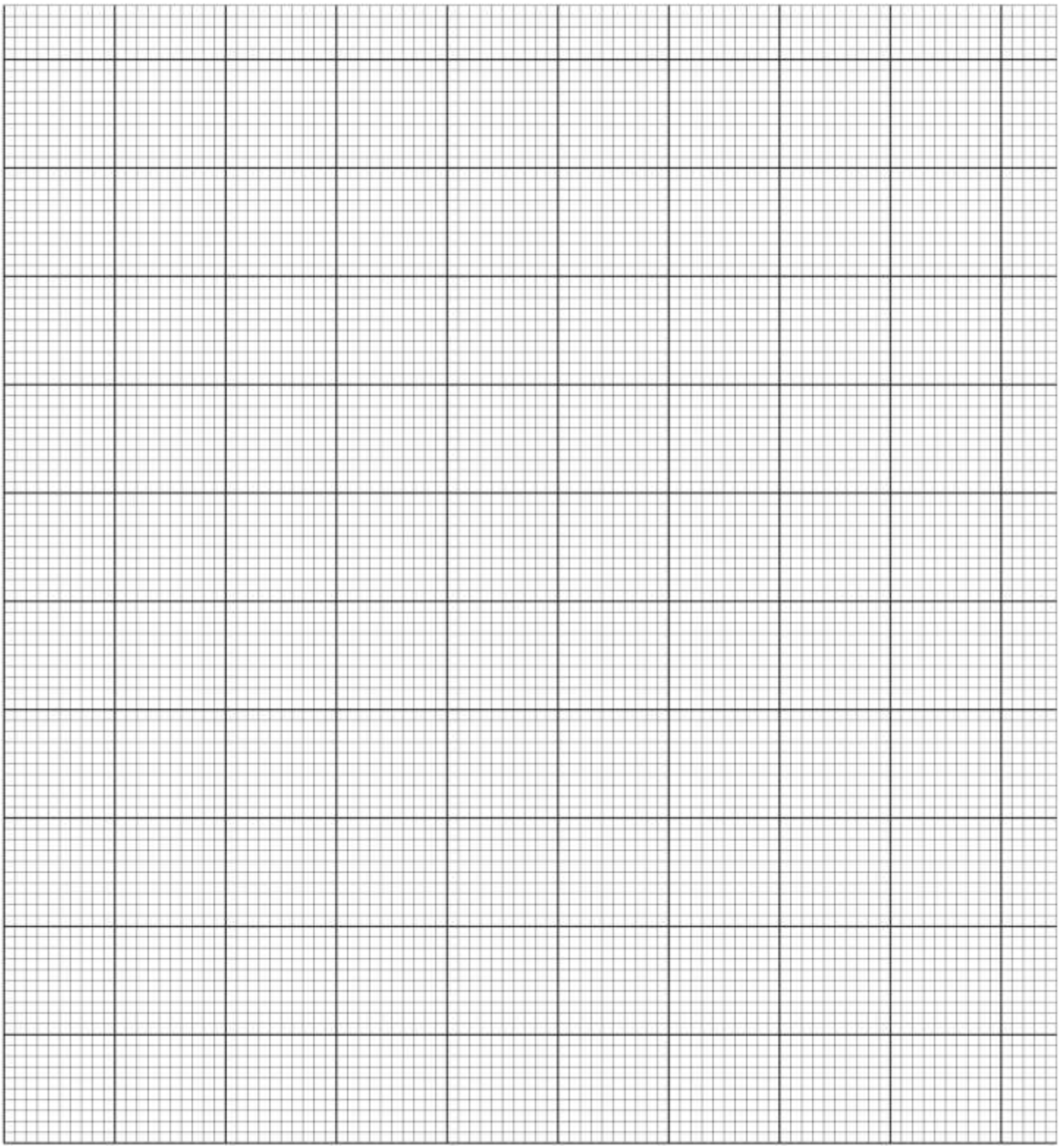
……

……
……

……

……

……



Contact 0724333200/0795491185 for marking schemes or order online at www.kenyaeducators.co.ke