NAME …… **INDEX NO** …….

SCHOOL …… **DATE** ……

CANDIDATE'S SIGNATURE ……..

312/2
GEOGRAPHY
PAPER 2
FORM 4

JULY 2017

TIME: $2\frac{3}{4}$ *HOURS*

Kenya Certificate of Secondary Education

Murang'a County Mock

END OF TERM II EXAMINATION QUESTIONS

INSTRUCTION TO CANDIDATES

1. This paper consists of section A & B.
2. Answer all the questions in section A.
3. Answer questions 6 and any other two sections from section B.
4. All questions must be written in the answer booklet provided.
5. Candidates must check the question paper to ascertain that all pages are printed as indicated and that no question is missing.
6. Candidates should answer the questions in English

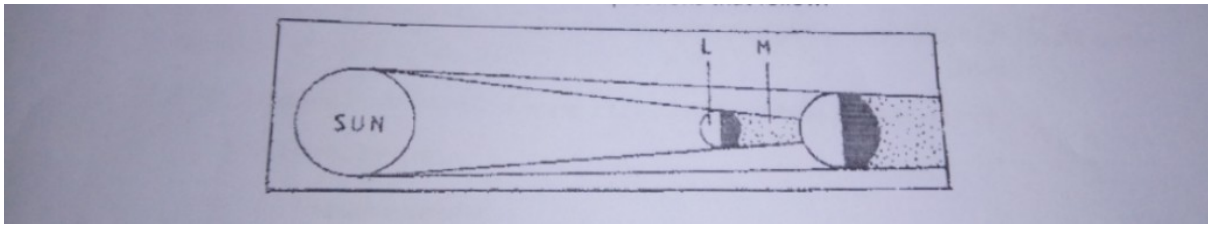
SECTION A

1.(a)What is natural vegetation 2 marks

(b)State three characteristics of the Mediterranean type of vegetation 2 marks

2.(a)What is solar system 2 marks

(b) Use the diagram below to answer the questions that follow



DIAGRAM

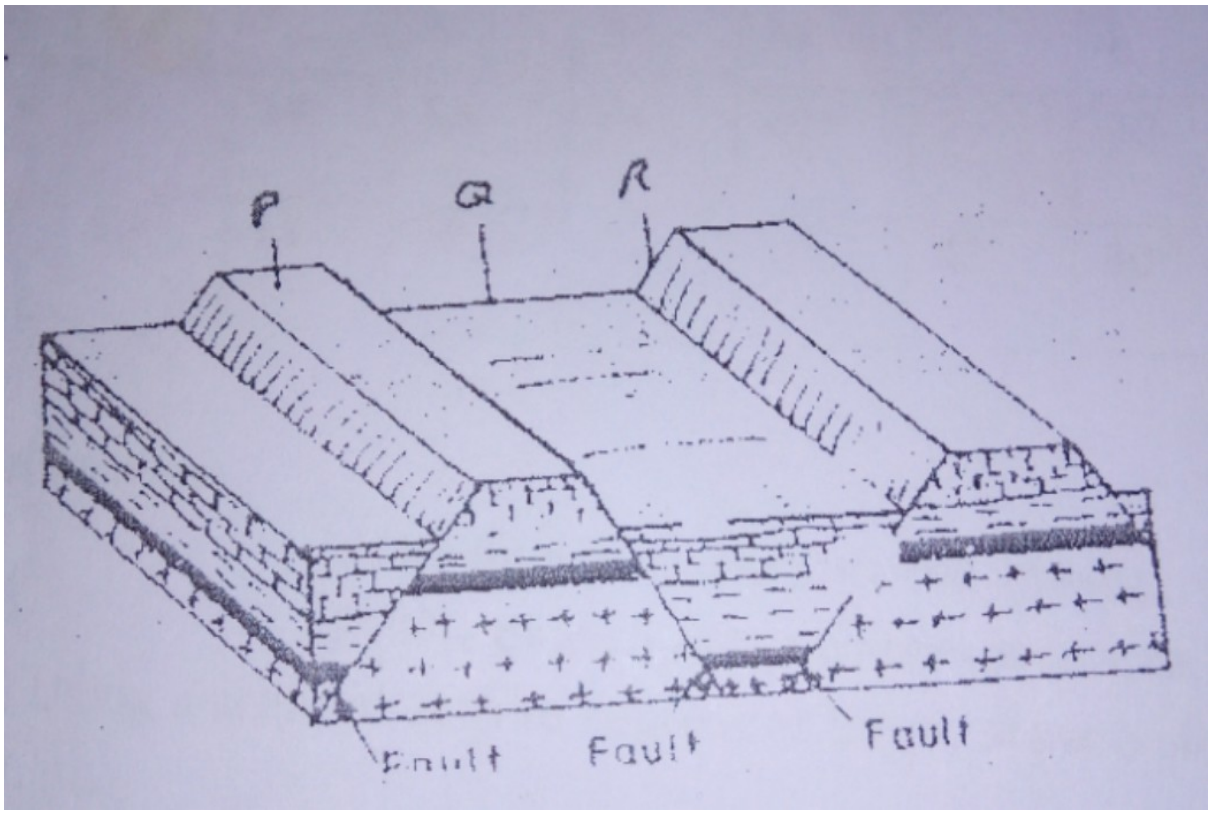
(i)What type of eclipse is represented by the diagram?

(ii)Name the features marked L and M 2 marks

3.(a)What is an isobar? 2 marks

(b)What is the effect of the International Date Line on time? 2 marks

4.(a)The diagram below represents features produded by faulting.Use it to answer the question that follows



(a)Name the features marked P,Q and R 3 marks

(b)Differentiate between a normal and reverse fault 2 marks

5.(a)Describe carbonation as a process of chemical weathering 3 marks

(b)Give two reasons why there are few settlements in a Karst landscape 4 marks

SECTION B

Answer question6 any ant other two questions

Study the map of Kitale 1:50,000 sheet no 75/3 and answer the questions that follows

6.(a)(i)What type of map is Kitale 1 mark

(ii)Convert the scale used to draw the map of Kitale into a statement scale

2 marks

(iii)Give the height in metres of the trigonometric station in the grid square 2311 2 marks

(iv)What is the latitude extent of the area covered by the map? 2 marks

(v)Measure the length in Kilometres of R.Koitobos from Mc.Call's bridgeto the grid point 304110 2 marks

(vi)What is the bearing of the trigonometric station at grid square 2823 from the Air photo principal point at grid square 2918 2 marks

(b)Draw a rectangle enclosed by Easting 23 and 31 and Northing 11 and 16

On it mark and name :

(i)Seasonal swamp 1 mark

(ii)River Koitobos 1 mark

(iii)Municipality boundary 1 mark

(iv)Railway line 1 mark

(c)Describe the drainage of the area covered by the map of Kitale 5 marks

(d)Citing evidence from the map,state two functions of Kitale town 4 marks

7.(a)(i)Use the table below showing rainfall and temperature figures recorded for station W in Kenya

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp °c	15	14	13	23	20	21	20	18	15	14	13	13
Rainfall (mm)	10	15	12	45	50	41	30	19	16	13	12	11

(i)Determine the diurnal range of temperature 2 marks

(ii)The diurnal range of temperature 2 marks

(b)(i)Using a scale of 1 cm to represent 5 mm, draw a simple bar graph drawn for station W

(ii)Describe the climate of station W 5 marks

(iii)List two instruments found in the Stevenson's Screen 2 marks

(d)Give five reasons for carrying out weather forecasting 5 marks

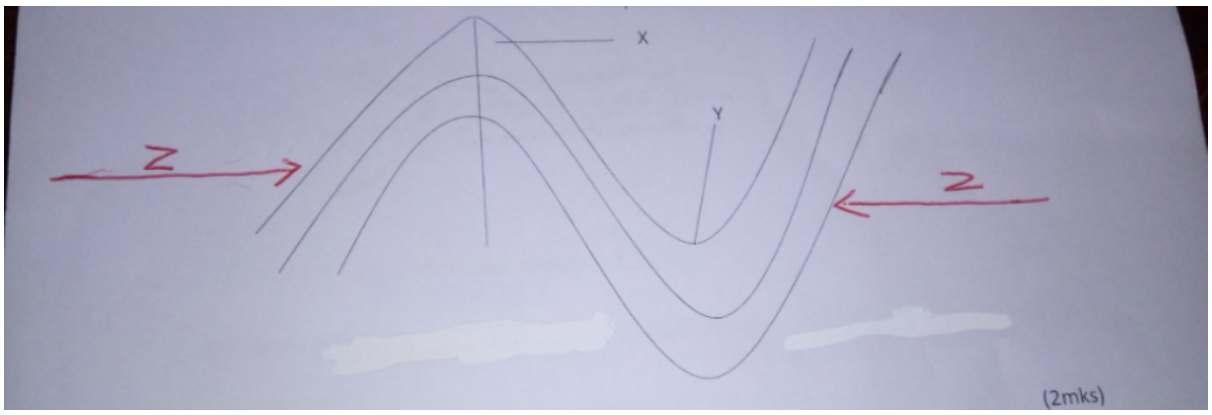
8.(a)(i)Draw an outline map of Africa on it showing :

(i)Atlas mountain

(ii)Cape ranges

(ii)Name four types of folds 4 marks

(b)Study the diagram below and answer the question that follows



(i)Name the parts marked X and Y

(ii)Name the force marked Z

(c)While using a well labelled diagram, describe the formation of Fold Mountain 8 marks

(d)Explain three positive ways in which fold mountains influences human activities 6 marks

9.(a)(i)Name two types of deserts 2 marks

(ii)Name and describe three process of wind transportation in deserts 6 marks

(c)While using a well labelled diagram,describe how the following features are formed

(i)Zeugen 6 marks

(ii)Rock pedestal 6 marks

(d)Your school carried out a field study on desert vegetation

(i)State three ways how you noted the vegetation have adapted themselves to the hot desert climate 6 marks

(ii)Which measures would you recommend to control desertification 2 marks

10.(a)(i)What is an ice sheet? 2 marks

(ii)Give two reasons why there are no ice sheets in Kenya 2 marks

(b)Describe how a pyramidal peak is formed 5 marks

(c)The diagram below shows types of moraines in a valley glacier

(i)Name the type of moraine marked S,T AND V

(ii)Explain four effects of glaciated features in upland areas 8 marks

(d)Students from a school near Mt.Kenya were planning to carry out a field study on the glaciated features on the mountain

(i)Give three reasons why it would be difficult to undertake the field study on glaciated features on the mountain 3 marks

(ii)Desccribe how the students would use a photograph of Mt.Kenya to identify the glaciated features on the mountain