

Name.....

Index No...../.....

School.....

Date .....

Candidate's Signature.....

312/1

GEOGRAPHY

Paper 1

JULY/AUGUST 2012

Time: 2 ¾ HOURS

## MARAKWET WEST DISTRICT JOINT EVALUATION TEST– 2012

*Kenya National Examination Council (K.C.S.E)*

312/1

GEOGRAPHY

Paper 1

JULY/AUGUST 2012

Time: 2 ¾ HOURS

### INSTRUCTIONS TO CANDIDATES

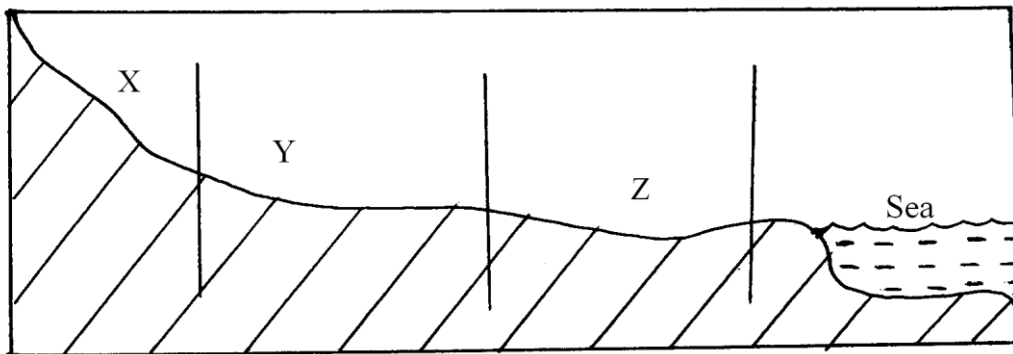
- This paper has Two sections: A and B
- Answer all the question in section A.
- In section B answer question 6 and any other two questions
- All answer must be written in the answer booklet provided

*This paper consists of 4 printed pages.  
Candidates should check the question paper to ensure that all  
pages are printed as indicated and no questions are missing*

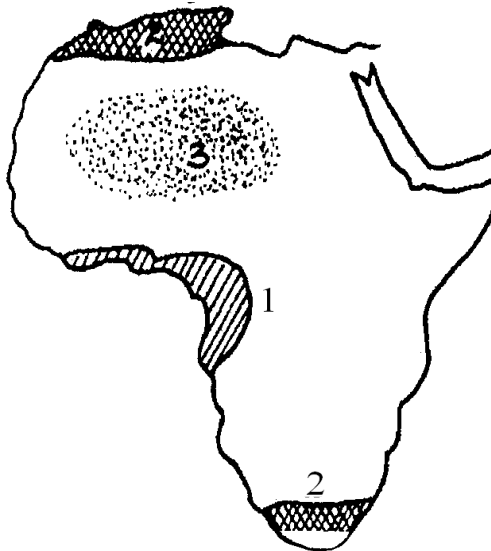
**SECTION A (25 MARKS)**

**Answer all the questions in this section**

1. a) List two types of igneous rocks based on rock depth. (2 marks)  
b) State two economic uses of rocks today. (3 marks)
2. a) Briefly state why warm air cools as it rises. (2 marks)  
b) State three different ways in which air may be made to rise. (3 marks)
3. a) Name two local winds. (2 marks)  
b) State three factors influencing wind blow. (3 marks)
4. The diagram below shows the longitudinal profile of a river. Study it and answer questions (a) and (b) below



- a) Sketch the respective river valleys for each of the sections of the river marked X, Y and Z (3 marks)
  - b) Give two factors that may interrupt the long profile of a river. (2 marks)
5. Study the map of Africa provided and answer the questions that follow.



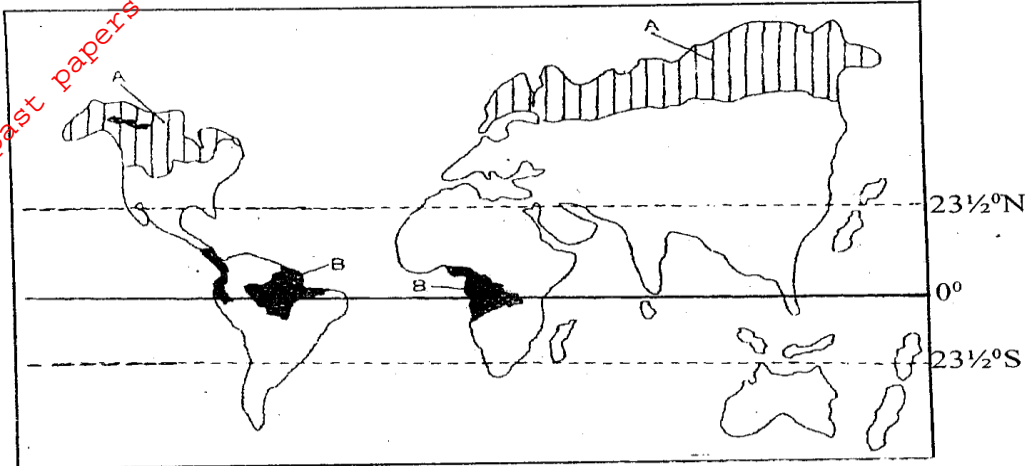
- a) Name the climatic regions marked 1,2 and 3. (3 marks)
- b) Give two characteristics of climate marked 3. (2 marks)

## SECTION B

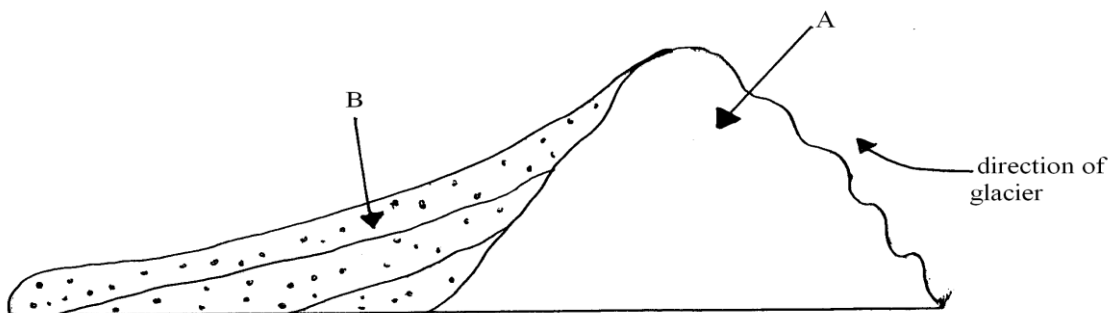
Answer question 6 and ANY other TWO questions from this section

6. Study the map of Nkubu 1:50,000 sheet 122/1 provided and answer the following questions.
- a)
    - i) What type of map is Nkubu sheet? (1 mark)
    - ii) What was the magnetic declination of the map at the time of its publication? (2 marks)
    - iii) Give three man made features found in grid square 5382. (3 marks)
  - b)
    - i) Give the six figure grid reference for the trigonometric station other (122 U225) (2 marks)
    - ii) Citing evidence from the map, name three economic activities in the area covered by the map. (3 marks)
    - iii) Measure the distance of the loose surface road, from grid reference 52920 to the eastern end. Give your answer in kilometers. (2 marks)
  - c) Draw a rectangle measuring 12 cm by 8 cm enclosing the area to the south of northing 86 and to the west of easting 45. On it mark and name: (6 marks)
    - i) Dry weather road
    - ii) Thuguri hill forest
    - iii) Lake Frimbene
  - d) Students from Kapsowar boys carried out a field study on the relationship between climate and vegetation in the area covered by the map.
    - i) List two methods they used to present their findings. (2 marks)
    - ii) Name two ways in which they described the vegetation. (2 marks)
    - iii) Mention two ways in which their findings would be useful to the local community. (2 marks)
7. a)
  - i) Name two wind erosional features. (2 marks)
  - ii) State three factors that influence wind transportation in arid areas. (3 marks)
- b) Using a well labeled diagram, describe how the following features are formed.
  - i) Mushroom block (5 marks)
  - ii) Zeugen (5 marks)
- c) Explain three ways through which wind erodes in deserts. (6 marks)
- d) Suppose you are to carry out a field study on semi-arid areas in Kenya.
  - i) Give two secondary sources of information you would use to prepare for the field study. (2 marks)
  - ii) What information would you collect through observation that would indicate that area is turning into a desert. (2 marks)

8. a) i) State two species of exotic softwood varieties growing in Kenyan forests (2 marks)
- ii) State three reasons why hardwood forest cover is shrinking at a threatening rate in Kenya? (3 marks)
- b) i) Explain three problems hindering the full exploitation of forest reserve in Africa. (6 marks)
- ii) Give a comparison between lumbering in Kenya and Canada. (4 marks)
- c) The world map given below shows the distribution of natural forests in the world.



- i) Identify the natural forests labeled A and B. (2 marks)
- ii) Describe the characteristics of the forest marked A. (4 marks)
- d) Describe two measures which are being taken to conserve and manage forests in Kenya (4 marks)
9. a) i) What is piedmont glacier. (2 marks)
- ii) State two conditions that favour the formation of glacier. (2 marks)
- iii) Name two mountains in Africa that permanent glacier exist. (2 marks)
- b) Explain the following ways of the movement:
- i) Basal slip (2 marks)
- ii) Extrusion flow (2 marks)
- c) Explain two conditions necessary for glacier deposition to take place in lowlands (4 marks)
- d) Study the diagram below and answer the following questions.



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- i) Name the feature drawn above. (1 mark)
  - ii) Name the parts marked A and B. (2 marks)
  - iii) State two characteristics of the feature above. (2 marks)
  - iv) Give three depositional features of glaciations in lowland areas. (3 marks)
  - e) State three negative effects of glaciations on the physical environment. (3 marks)
10. a) What is a cool coast. (2 marks)
- b) State three conditions necessary for the coral formation. (3 marks)
- c) Explain the formation of the following coastal features, draw simple diagram to show them.
- i) Blow hole (3 marks)
  - ii) Tombolo (3 marks)
- d) i) Describe how waves re formed. (3 marks)
- ii) List the two types of waves. (2 marks)
- iii) Using a diagram describe how a fringing reef is formed. (4 marks)
- e) Students of Shimo la Tewa did a field study on effects of coastal depositional features on Kenya.
- i) Mention two methods they might have used to collect data in the field. (2 marks)
  - ii) State three positive effects of coastal features they would have studied. (3 marks)

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