

Name .....Adm no..... class.....

312/1  
GEOGRAPHY  
Paper 1  
Term One- 2020  
Time: 2 <sup>3</sup>/<sub>4</sub>  
HOURS

**MAGS  
JOINT EXAM  
CYLCE**  
Kenya Certificate of Secondary Education (K.C.S.E)

**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 spaces provided
- Candidates should check the question paper to ascertain all pages are printed

**SECTION A**

**Answer all questions in section A.**

1. (a) State two major areas covered under physical geography. (2 marks)  
(b) State two reasons why interior of the earth is very hot. (2 marks)
2. (a) What is a line of longitude? (2 marks)  
(b) What is the local time at Alexandria 30°E when the local time at Malindi 40°E is 12.00 noon? (2 marks)
3. (a) State three causes of earth movement. (3 marks)  
(b) Name two main earthquake zones in the world. (2 marks)
4. (a) Name three features found on emerged highland coast (3 marks)  
(b) State three conditions necessary for the formation of a spit. (3 marks)
5. (a) Highlight any three factors that necessitate the occurrence of an artesian basin. (3 marks)  
(b) Apart from lakes, rivers and sea, name any other two sources of underground water. (3 marks)

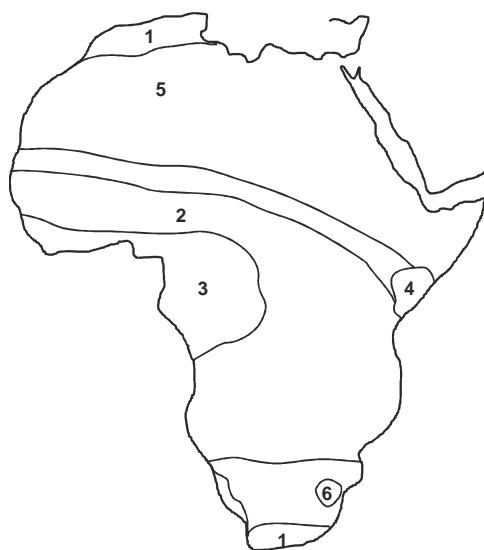
**SECTION B**

**Answer question 6 and any other two questions from this section.**

6. Study the map of Yimbo provided below and answer the questions that follow.
  - (a) (i) Name two countries covered by Yimbo (2mks)  
(3 marks)
  - (ii) What is the bearing of Trigonometrical station in grid square 3285 from trigonometrical station in 3980. (2 marks)
  - (iii) convert the ratio scale 1:50000 used in the map to linear scale. (2mks)
  - (b) (i) Give latitudinal extend of the area covered by the map. (2mks)
  - (ii) What is the magnetic variation of the map as at now (year 2020) (2 marks)
  - (iii) Identify three human made features found in the grid square 3691 (3mks)
  - c) Describe the drainage of the area covered by the map. (6mks)
  - d) Giving evidence from the map. Explain three reasons why dairy keeping is not practiced in the area covered by the map. (6mks)
7. (a) (i) Distinguish between earth rotation and earth revolution (2 marks)  
(ii) State three effects of earth's revolution (3 marks)

- (b) (i) Give four characteristics of mesosphere in the structure of the atmosphere (4 marks)
- (ii) Describe the origin of continents according to continental drift theory (4 marks)
- (c) (i) Explain three proofs that the earth is spherical (6 marks)
- (d) Using a well labeled diagram, describe the occurrence of lunar eclipse (6marks)

8. (a) Study the map of Africa showing the main climatic regions marked 1,2,3,5 and 6.



- (i) Name the climatic regions labeled 1,2 and 5. (3 marks)
  - (ii) State five characteristics of the climatic regions labeled 5. (5 marks)
  - (iii) Name three factors that influence the climatic region labeled 1 (3 marks)
  - (b) (i) Name three water towers in Kenya. (3 marks)
  - (ii) Give five measures being taken to conserve forests in Kenya. (5 marks)
  - c) Describe six vegetation adaptations in Sahara and Namib. (6 marks)
9. (a) Differentiate between mass wasting and weathering. (2 marks)
- (b) (i) Apart from soil creep, name two other processes of slow mass movement. (2 marks)
  - (ii) Explain three causes of soil creep. (6 marks)

- (iii) Explain three physical conditions that influence landslides. (3 marks)
- c) Describe the following processes of mass wasting.
  - (i) Rock fall. (2 marks)
  - (ii) Subsidence (2 marks)
  - (iii) Mud flows (2 marks)
- (d) Explain the effect of weathering on the following.
  - (i) Tourism (2 marks)
  - (ii) Agriculture (2 marks)
  - (iii) Pottery. (2 marks)
- 10. (a) (i) Define the term glaciation. (2 marks)
  - (ii) Name three types of glaciers. (3 marks)
- (b) Describe how the following features found in upland glaciated landscapes are formed.
  - (i) U-Shaped valley (5 marks)
  - (ii) Pyramid peak. (5 marks)
- c) Explain three significance of upland glaciated features to human activities. (6 marks)
- (d) Suppose you were to carry out a field study of a glaciated lowland.
  - (i) State two advantages of using oral inter views to collect information during the field study. (2 marks)
  - (ii) Name two features found in glaciated lowlands that you are likely to study. (2 marks)