

OPENER EXAMINATION YEAR 2021 TERM 2

NAME: ADM NO: CLASS:
312/1

GEOGRAPHY

PAPER 1

FORM THREE

TIME: 2 ¾ HOURS

INSTRUCTIONS TO CANDIDATES:

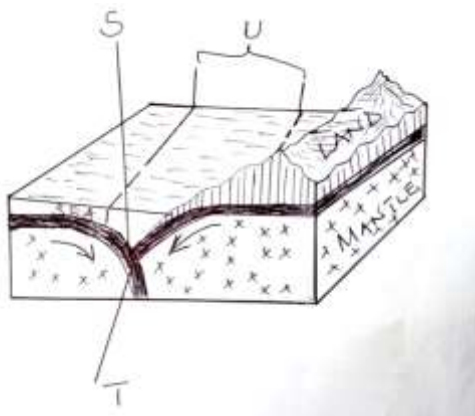
- This paper consists of three sections; A, B and C.
- Answer all questions from section A and B.
- In section C, answer any three questions. All answers must be written on the answer sheets provided.
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SECTION A:

Answer all the questions in this section.

1. (a) Name two types of earth movements. (2 mks)

(b) The diagram below represents tectonic plate boundary. Name the areas marked S, T and U. (3 mks)

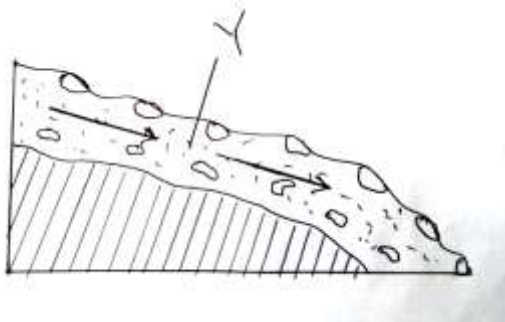


2. (a) Differentiate between seismic focus and epicenter. (2 mks)

(b) State two ways through which a river transports its load. (2 mks)

3. (a) Apart from exfoliation, name two other physical weathering processes influenced by temperature changes. (2 mks)

- (b) Describe exfoliation process. (4 mks)
4. (a) State two ways through which a river transports its load. (2 mks)
- (b) State three conditions necessary for the formation of a delta. (3 mks)
5. (a) The diagram below shows a process of slow mass wasting.

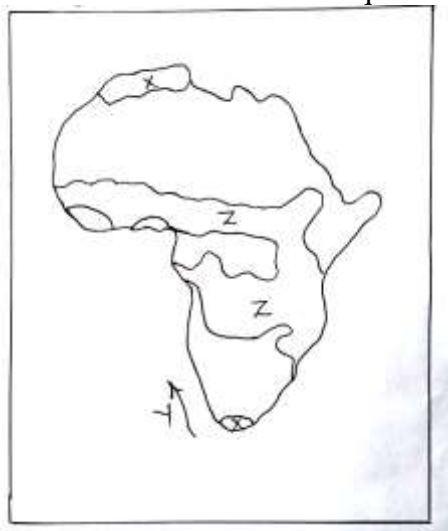


- (i) Identify the process. (1 mk)
- (ii) Name the feature marked Y. (1 mk)
- (b) State three conditions which may influence occurrence of landslides. (3 mks)

STUDY THE MAP OF YIMBO (1:50,000 SHEET 115/1) provided and answer the following questions

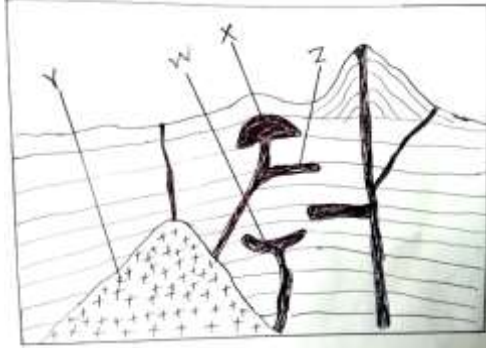
6. (a) (i) Name two natural features found in grid square 3696. (2 mks)
- (ii) Give two types of scales used on Yimbo map. (2 mks)
- (iii) Give the six figure grid reference of the trigonometrical station point 1207 (115 1 27) (2 mks)
- (b) (i) Give the adjoining sheet found to the North-east of Yimbo map. (1 mk)
- (ii) Give the latitudinal and longitudinal extent of the area covered by the map extract. (2 mks)
- (c) Identify three types of natural vegetation in the area covered by the map. (3 mks)
- (d) (i) Give three methods used to show relief in the area covered by the map. (3 mks)

- (ii) Give the height of the highest and the lowest points on the map. (2 mks)
- (e) You are required to carry out a field study on economic activities carried out in the area covered by the map.
 - (i) Outline the ways in which you will prepare before the study. (5 mks)
 - (ii) List the activities you will be involved in during the study. (3 mks)
- 7. (a) (i) What is fog? (2 mks)
- (ii) State two conditions necessary for the formation of fog. (2 mks)
- (b) With the aid of a labeled diagram, describe how relief rainfall is formed. (7 mks)
- (c) Use the map of Africa below to answer the questions that follow.

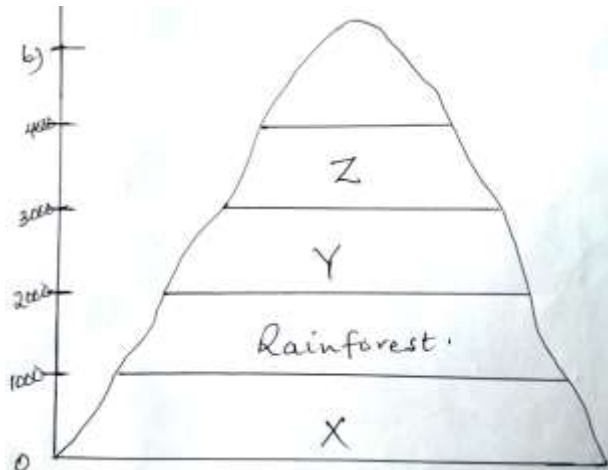


- (i) Name, the type of climate experienced in the region marked X. (1 mk)
- The ocean current marked Y. (1 mk)
- (ii) Describe the characteristics of the type of climate found in the area marked Z. (6 mks)
- (d) Suppose your class carried out a field study on weather around the school environment;
 - (i) Explain two effects of wind on climate that they are likely to have identified. (2 mks)
 - (ii) Give two methods the class used to collect data in the field. (2 mks)
 - (iii) Give two follow-up activities the class was involved in after the field study. (2 mks)
- 8. (a) Distinguish between magma and Lava. (2 mks)

(b) The diagram below shows intrusive volcanic landforms. Use it to answer the questions that follow.



- (i) Name the features marked W, X and Y. (3 mks)
 - (ii) Describe how feature Z is formed (4 mks)
 - (c) (i) Name two features that result from fissure eruption. (2 mks)
 - (ii) List two types of lava. (2 mks)
 - (d) (i) Describe how a composite volcano is formed. (6 mks)
 - (ii) Explain the significance of volcanic features to human activities. (6 mks)
9. (a) (i) Define Secondary Vegetation. (2 mks)
- (ii) State three climatic factors which influence the distribution and type of vegetation. (3 mks)
 - (iii) Give three uses of mangrove trees. (3 mks)
- (b) The diagram below represents zones of natural vegetation on a mountain slope. Use it to answer the questions that follow.



- (i) Name the vegetation zones marked X, Y and Z. (3 mks)
- (ii) Describe the characteristics of the rainforest vegetation. (6 mks)
- (c) You are required to carry out a field study on natural vegetation within your local environment.
- (i) Give three types of information for your study. (3 mks)
- (ii) State three ways you would do to identify the different types of plants. (3 mks)
- (iii) State two ways in which the information collected during the study would be useful to the local community. (2 mks)
10. (a) (i) Define the term Ocean. (2 mks)
- (ii) State three sources of salt in ocean water. (3 mks)
- (iii) State three factors which determine the temperature of the ocean water. (3 mks)
- (b) (i) Describe three processes of wave erosion. (6 mks)
- (ii) Name five features resulting from wave erosion. (5 mks)
- (c) Your class is required to carry out a field study on wave erosion along the Kenyan coastline.
- (i) Why would you need to carry the following?
- A mosquito net. (1 mk)
- Light clothes (1 mk)
- (ii) Explain reasons why you think your study will be important to the government of Kenya.

(3 mks)