

NAME..... ADM NO.....

SCHOOL..... CANDIDATES SIGN.....

DATE

312/1

GEOGRAPHY

FORM 3

TIME: 2 HOURS

FORM THREE GEOGRAPHY

END OF TERM (III) EXAMINATION -2019

Kenya Certificate of Secondary Education (K.C.S.E)

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GEOGRAPHY

FORM 3

TIME: 2 HOURS

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INSTRUCTION

This paper consist two section ; section A and B

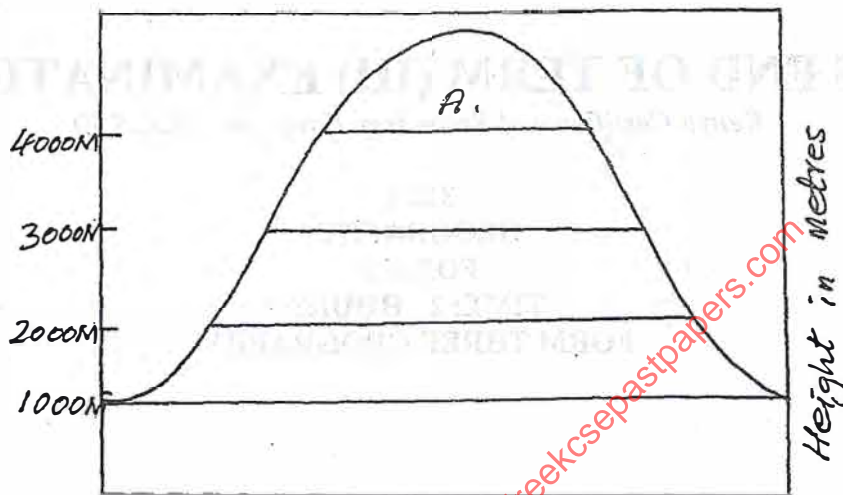
Answer all the questions in section A

Question 6 is compulsory in section B

Answer any other two questions in section B

SECTION A

1. a) What is the solar system? (2 mks)
- b) State three characteristics of SIMA (3mks)
2. a) What is a lake Breeze? (2 mks)
- b) Identify two types of high level clouds (2 mks)
3. a) What are tectonic plates? (2 mks)
- b) State four evidence of continental drift theory (4 mks)
4. a) Study the diagram below showing vegetation on a mountain



- i) Give two reason why there is no vegetation growing at the region labeled A (2 mks)
- ii) Describe the characteristics of temperate deciduous forests (4 mks)
5. a) Differentiate between Swash and backwash (2 mks)
- b) Describe corrasion /abrasion as a wave erosion process (3 mks)

SECTION B

6. Study the map of Taita Hills d(1:50,000) Sheet 189/4 provided and answer the following questions
 - a)
 - i) What is the name given to this type of map (1 mk)
 - ii) Give the title of this map (1 mk)
 - iii) Name the province and district of the area covered by the map (2 mks)
 - b)
 - i) Give the longitudinal extent of the area covered by the map. (2 mks)
 - ii) Calculate the area covered by the Ronge forest (2 mks)
 - iii) Which two methods of showing relief have been used in the map (2 mks)
 - c)
 - i) Give three physical features found at grid square 2318. (3 mks)
 - ii) What is the bearing of point 230300 from the air photo principal point at grid square 2226 (2 mks)
 - d) Describe the distribution of settlements in the area covered by the map (6 mks)

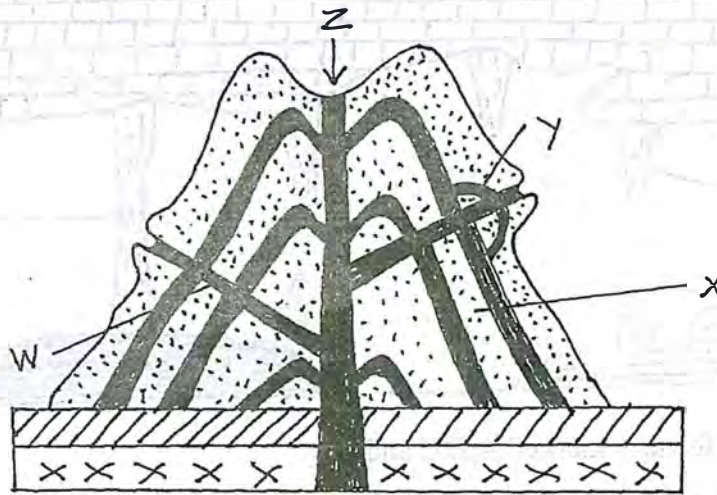
e) Citing evidence from the map, give two social functions of the area covered by the map

(4 mks)

7. a) Differentiate between intrusive vulcanicity and extrusive vulcanicity

(2 mks)

b) Study the diagram below and answer the following questions



i) Name the features marked W,X,Y and Z

(4mks)

ii) Explain how feature Y is formed

(4 mks)

iii) Apart from composite volcano name three other extrusive volcanic features

(3 mks)

c) Explain four ways in which volcanic features positively influences human activities

(8 mks)

d) You intend to carry out field study on an area with volcanic features

i) State two methods you would use to collect data

(2 mks)

ii) Outline two problems you are likely to encounter during the study.

(2mks)

8. a) Define the following terms

i) Ice sheet

(2 mks)

ii) Valley glacier

(2 mks)

b) Describe polucking as a glacial erosion process

(4 mks)

c) Describe how the following features are formed

i) Corrie/cirque

(5 mks)

ii) Arete

(4 mks)

d) Explain four positive effects of glaciated highlands

(8 mks)

9. a) i) Give three sources of underground water

(3 mks)

ii) Explain how the following influences the existence of underground water

• slopes gradient

(2 mks)

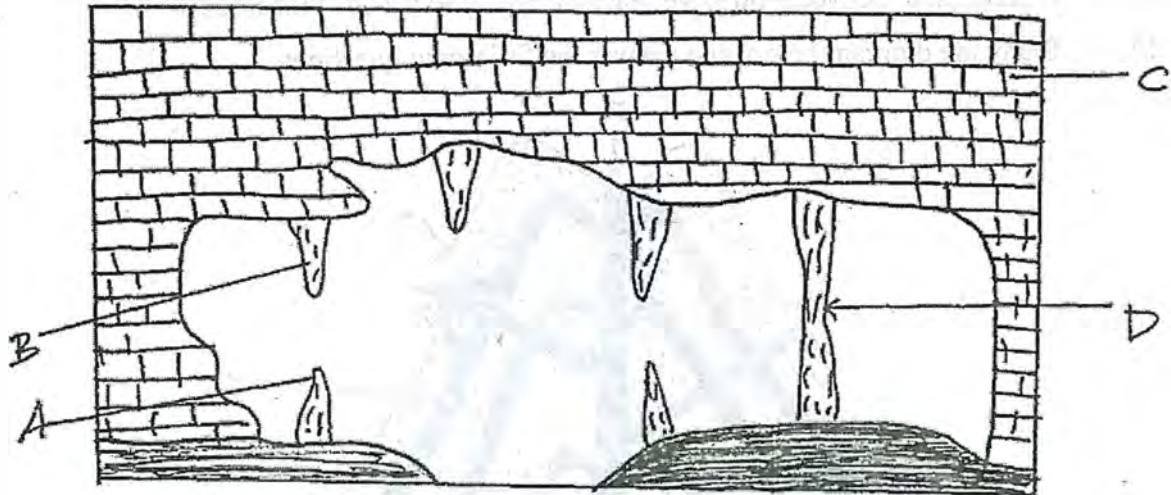
• vegetation cover

(2 mks)

b) state the characteristics of Karst scenery

(3 mks)

- c) The diagram below shows some underground features in limestone areas
Use it to answer the questions that follows:-



- i) Label the features marked A,B,C and D (4 mks)
- ii) Describe how the features marked D was formed (5 mks)
- iii) Give four reasons why there are few settlements in Karst scenery landscape (3 mks)
10. a) i) Define the term soil (2 mks)
- ii) State two components of a soil (2 mks)
- iii) Name two types of soil according to texture (2 mks)
- b) Briefly explain how the following factors influence soil formation
- i) Climate (4 mks)
- ii) Living organisms (4 mks)
- c) i) Differentiate between soil profile and soil catena (2 mks)
- ii) List three factors which influence the development of soil profile (3 mks)
- d) Explain how the following human activities lead to soil erosion
- i) Continuous ploughing (2 mks)
- ii) Cutting down trees (4 mks)