

**FORM FOUR TRIAL 2, 2019**

**Kenya Certificate of Secondary Education**

**312/1 GEOGRAPHY**

**PAPER ONE**

**TIME: 2¾HRS**

**INSTRUCTIONS**

1. This paper consist of **two** section **A** and **B**
2. Answer **ALL** the questions in section **A**
3. Answer question **6** and any other **two** questions from section **B**
4. Candidates should answer the questions in English

**SECTION A (25MKS)**

**Answer all the questions in this section**

1. a) Define the term solar system (2mks)

b) Give any **three** theories explaining the origin of the solar system (3mks)

1. i) What is faulting (2mks)

ii) Mention any **three** types of faults (3mks)

1. i) Define a glacier (2mks)

ii) The diagram below shows types of moraines in a valley glacier (3mks)



**V**

Name parts V, T & S

1. State **five** conditions necessary for the formation of a beach (5mks)
2. a) Study the diagram and answer the following questions. (3mks)



Name parts X, Y &Z

b) State any **two** conditions necessary for development of Karst scenery (2mks)

**SECTION B**

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

1. Study the map of Taita Hills 1:50,000 (Sheet 198/4) provided and answer the following questions.
2. i) Give the **four** figure grid reference of L.R 3880/s (2mks)

ii) What is the general direction of R. Ruhiaa tributary of R. vol (Goshi) (2mks)

1. i) Give the adjoining sheet of Taita Hills on the North Coast part of the map. (2mks)

ii) Measure the length of the Bound surface Road A23 from Mwatake to LC

(Level Crossing) (2mks)

iii) Calculate the area of the forest covering Shellemba and Majengo Zones (3mks)

iv) Citing evidence from the map, identify three economic activities carried in the area

 (6mks)

1. Citing evidence from the map, explain any **four**factors that may have influenced Agricultural activities in the Area (8mks)
2. a) Define the term Vulcanicity? (2mks)

b) Distinguish Extrusive and intrusive vulcanicity (4mks)

c) Give any **three** resultant features due to intrusive vulcanicity (3mks)

d) Describe the continental drift theory (3mks)

e) i) State **two** artificial causes of earth movements (2mks)

ii) Explain any **three** significance of vulcanicity to human activities. (8mks)

1. a) What is climate? (2mks)

b) Explain the factors influencing climate under the following sub-headings:

1. Latitude (5mks)
2. Altitude (4mks)
3. Ocean currents (4mks)

c) i) Distinguish Aridity and desertification. (2mks)

ii) State any **four** causes of aridity and desertification together with their possible solutions

 (8mks)

1. a) Name **two** ways of water movement in Oceans (2mks)

b) List any **four** types of tides (4mks)

c) State **four** factors that influence wave transportation (4mks)

d) Yururugirl’s school, form 4 Geography class carried out a field study at a wave deposition site at the coast of Mombasa.

1. List any **four** wave depositional features they might have observed. (4mks)
2. Explain any **two** factors influencing the type of coast they might have studied. (4mks)
3. Give any **three** benefits they might have enjoyed due to conducting reconnaissance to their place of study (3mks)
4. List **two** ways the learners might have used in collecting the data (2mks)
5. Mention any **two** types of coral reef they might have studied during the period of their study (2mks)
6. a) Name t**hree** major deserts found in:
7. Africa (3mks)
8. Give **two** processes in which wind erodes the earth’s surface (2mks)
9. Explain **three** ways in which wind transport its load (6mks)

b) Using well labeled diagrams, explain how the following desert features are formed.

1. Yardangs (5mks)
2. Mushroom block (6mks)

c) The diagram below represents features resulting from wind deposition in a desert



**Use it to answer questions that follow**

1. Name the above feature (1mk)
2. Name the parts marked; (2mks)

J & L