



FORM FOUR TRIAL 2, 2019
Kenya Certificate of Secondary Education

312/1 GEOGRAPHY

PAPER ONE

TIME: 2³/₄HRS

INSTRUCTIONS

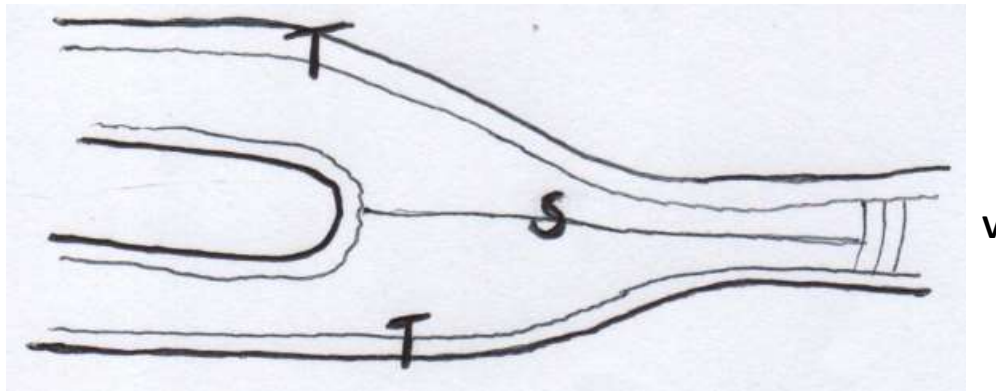
1. This paper consist of **two** section **A** and **B**
2. Answer **ALL** the questions in section **A**
3. Answer question **6** and any other **two** questions from section **B**
4. Candidates should answer the questions in English

SECTION A (25MKS)

Answer all the questions in this section

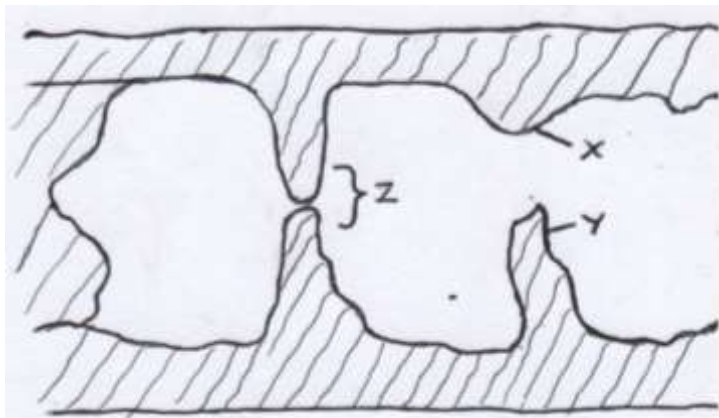
1. a) Define the term solar system (2mks)

- b) Give any **three** theories explaining the origin of the solar system (3mks)
- 2. i) What is faulting (2mks)
ii) Mention any **three** types of faults (3mks)
- 3. i) Define a glacier (2mks)
ii) The diagram below shows types of moraines in a valley glacier (3mks)



Name parts V, T & S

- 4. State **five** conditions necessary for the formation of a beach (5mks)
- 5. 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

6. Study the map of Taita Hills 1:50,000 (Sheet 198/4) provided and answer the following questions.
- a) 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)
 - b) 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)
 - c) Citing evidence from the map, explain any **four** factors that may have influenced Agricultural activities in the Area (8mks)
7. 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)
8. a) What is climate? (2mks)
 - b) Explain the factors influencing climate under the following sub-headings:
 - i. Latitude (5mks)
 - ii. Altitude (4mks)
 - iii. 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)
9. 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.
- i. List any **four** wave depositional features they might have observed. (4mks)
 - ii. Explain any **two** factors influencing the type of coast they might have studied. (4mks)
 - iii. Give any **three** benefits they might have enjoyed due to conducting reconnaissance to their place of study (3mks)
 - iv. List **two** ways the learners might have used in collecting the data (2mks)
 - v. Mention any **two** types of coral reef they might have studied during the period of their study (2mks)

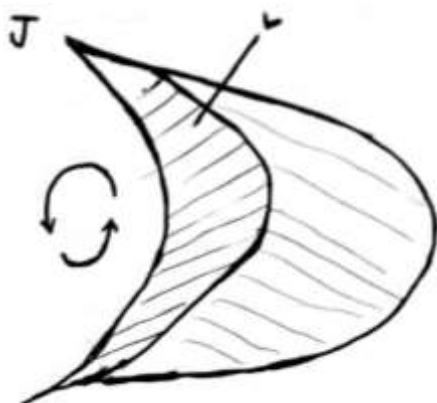
10. a) Name **three** major deserts found in:

- i. Africa (3mks)
- ii. Give **two** processes in which wind erodes the earth's surface (2mks)
- iii. Explain **three** ways in which wind transport its load (6mks)

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

- i. Yardangs (5mks)
- ii. Mushroom block (6mks)

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



Use it to answer questions that follow

- i. Name the above feature (1mk)
- ii. Name the parts marked;
J & L (2mks)