

GATUNDU SOUTH EVALUATION EXAM

GEOGRAPHY PAPER 1 (312/1)

FORM FOUR TERM TWO YEAR 2018

TIME - $2\frac{3}{4}$ HOURS

NAME..... INDEX NO.

CANDIDATE'S SIGNATURE.....DATE:.....

Instructions to candidates

- a) This paper has two sections : A and B
- b) Answer all the questions in section A
- c) Answer question 6 and any other two questions from section B
- d) This paper consists of 4 printed pages.

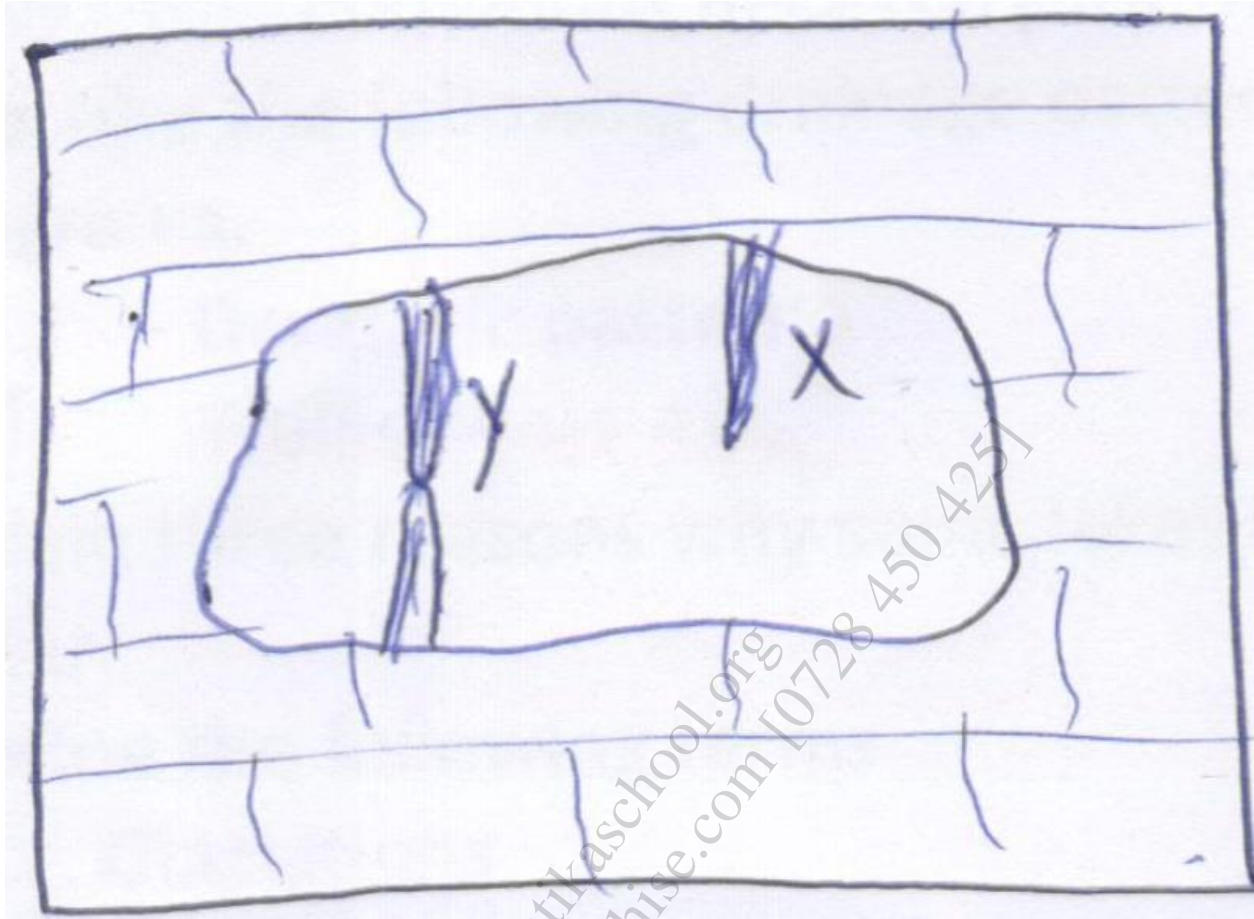
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| Section | Questions | Maximum Score | Candidate's Score |
|---------|-----------|---------------|-------------------|
| A | 1-5 | 25 | |
| B | 6 | 25 | |
| | 7 | 25 | |
| | 8 | 25 | |
| | 9 | 25 | |
| | 10 | 25 | |
| | | Total Score | 100 |

SECTION A

Answer all questions in this section.

1. a) If the local time at Kapsabet at longitude 35°E is 7.00 a.m. What will be the time at Accra at Greenwich meridian. (2mks)
b) State two effects of the revolution of the earth. (2mks)
c) State two reasons for the spherical shape of the earth. (2mks)
2. a) Differentiate between absolute and relative humidity. (2mks)
b) What is a weather station? (2mks)
c) Name any one constituent of the atmosphere. (1mk)
3. a) Give three natural causes of earthquakes. (3mks)
b) State two precautions which can be taken against earthquake destruction. (2mks)
4. a) Name two types of slow mass wasting. (2mks)
b) Outline three negative effects of mass wasting on the physical environment. (3mks)
5. The diagram below represents underground features in a limestone area. Use it to answer question (a)



a) Name the features marked (2mks)

X –

Y –

b) What is meant by Karst scenery? (2mks)

SECTION B

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

6. Study the map of Oyugis 1:50,000 sheet 130/1 provided and answer the following questions.
- a) Give the two districts found in the area covered by the map. (2mks)
 - b) Give the Latitudinal and longitudinal extent of the mapped area (2mks)
 - c) Calculate the area covered by Kisii Township. (2mks)
(Give your answer in square Kilometers.)
 - d) Draw a square 10cm by 10cm, to represent the area enclosed by Eastings 70 and 72 and Northings 23 and 25. (1mk)
On the square mark and name the following:
 - (i) Forest (1mk)
 - (ii) River Riana (1mk)
 - (iii) Dry weather road C 20 (1mk)
 - e) Citing evidence from the map state three social services offered in Nyambunwa in grid reference 8925. (3mks)
 - f) i) What is the magnetic declination of the map. (1mk)
ii) Assuming that four people live in each house in grid square 6921, Calculate the population density. (2mks)
 - g) Describe the relief of the area covered by the map. (4mks)
 - h) Describe the drainage of the area covered by the map (5mks)
7. a) Explain how a river erodes through the following process;
- i) Solution (2mks)
 - ii) Abrasion (2mks)
- b) Using a well labeled diagram, explain how a waterfall may form over a fault scarp. (6mks)
- c) State three conditions necessary for Delta formation. (3mks)
- d) Describe the following drainage patterns with clearly labeled diagrams.
- (i) Dendritic patterns (3mks)
 - (ii) Trellis (3mks)
- e) Explain three reasons why some lakes in the Rift Valley are fresh water. (6mks)
8. a) Define the following terms
- (i) Glaciations (2mks)
 - (ii) Ice – berg (2mks)
- b) Describe the formation of the following features
- (i) Roche Moutonee (4mks)
 - (ii) Rock basin (4mks)

- c) (i) Name any four features formed by glacial deposition in lowland areas. (4mks)
 Explain three ways in which a glaciated landscape is of significance to human activities. (6mks)
- d) Name three mountains in East Africa where glaciers are found. (3mks)
9. a) (i) Name two types of desert landscapes. (2mks)
 (ii) Describe how wind transport materials on the desert surface using the following processes.
 (I) Surface creep (2mks)
 (II) Saltation (2mks)
- b) You intend to carry out field study in an arid area.
 i) State three reasons for carrying out a pre-visit. (3mks)
 ii) Mention any two follow up activities you would engage in. (2mks)
 iii) Explain three measures that can be taken to curb the spread of Aridity and desertification. (6mks)
 iv) Explain four ways in which deserts features influence human activities. (8mks)
10. a) i) State three ways through which a Caldera may be formed (3mks)
 ii) Explain three negative effects of vulcanicity. (6mks)
- b) You are planning to carry out a field study on an area affected by vulcanicity.
 i) What would be the advantages of dividing the class into groups? (3mks)
 ii) What problems would be encountered during the field study? (3mks)
- c) i) Describe three types of tectonic plate boundaries. (6mks)
 ii) Explain two effects of faulting on drainage. (4mks)