

Name..... Index No...../.....
School.....Date

Candidate's Signature.....

312/1
GEOGRAPHY
Paper 1
Time: 2¾ hours

SOTIK SUB-COUNTY JOINT EVALUATION TEST -2018
Kenya Certificate of Secondary Education
312/1
Paper 1
GEOGRAPHY

INSTRUCTIONS TO CANDIDATES

- *This paper has two sections A and B.*
- *Answer **all** the questions in section A.*
- *Answer question **6** and any other **two** questions from section B.*
- *All answers must be written in separate answer sheets.*

SCORE SHEET

SECTION A	
QUESTIONS 6	
QUESTION 7	
QUESTION 8	
QUESTION 9	
QUESTION 10	
TOTAL	%

1. a) Define the term rotation of the earth. (2mrks)
b) State two effects of rotation of the earth. (2mrks)
2. a) Give three examples of organically formed sedimentary rocks. (3 mrks)
b) State two reasons why sedimentary rocks are dominant along the Kenyan Coast. (2 marks)
3. a) What is an Earthquake? (1mk)
b) Mention **four** natural causes of earthquake. (4mks)
4. (a) Name **two** features that are found on emerged highland coasts. (2 mrks)
(b) State **three** conditions necessary for the formation of a spit. (3 mrks)
5. (a) Distinguish between mass wasting and mass movement (2mks)
(b) Name **three** processes of chemical weathering (3mks)

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)(i)What is the latitudinal extend of the area covered by the map. (2 mark)
 - (ii)Give the six-figure grid reference of secondary trigonometrical near Koderia forest. (2 mrks)
 - (iii)What is the length in Kilometres of the district boundary north of northing 33. (2 mrks)
 - (iv) Give the bearing of others trigonometrical station 130T97 from air photo principal point in grid square 7527. (2 mrks)
 - (b) Using vertical interval of 1cm rep 50, draw a cross section of Oyugis area from grid reference 700360 to 760360. (2 mrks)
On the cross section show the following features: (4 mrks)
A dam.
A hill
All weather road loose surface
River
 - (c) Describe the settlement in the area covered by the map. (4 mrks)
 - (d) (i) Identify the districts found in the area covered by the map. (2 mrks)
(ii)Citing evidence from the map, identify **five** functions of Rangwe market. (5 mrks)
7. a) Differentiate between vulcanicity and volcanicity. (2mrks)
b) Describe how the following features are formed.
 - i) Laccolith. (6mrks)
 - ii) Ash and cinder (5mrks)
- c) Explain three negative effects of volcanicity on human activities. (6mrks)
- d) You are planning to carry out a field study on features formed by volcanicity around your school.
 - i) Formulate two null-hypotheses for the studies. (2mrks)
 - ii) Name two drainage features you are likely to study. (2mrks)
 - iii) State two methods you would use to record information during the study. (2mrks)
8. a) (i) Give two features of a river in its old stage (2mks)
(ii) State three factors that influence the development of drainage pattern (3mks)
b) Briefly describe how the following factors influencing river erosion
 - (i) Gradient and velocity (2mks)
 - (ii) Nature and amount of the load (2mks)

- (iii) Nature of the dead rock (2mks)
- c) i) what is delta (1mk)
- ii) Give three example types of deltas (3mks)
- iii) State three conditions necessary for the formation of deltas (3mks)
- d) Apart from providing water for domestic and industrial uses, give three other benefits of rivers. (3mks)
- e) Your class intends to conduct a field study on river deposition around your school
- (i) Name the stage along the river profile where you will conduct your study. (1mk)
- (ii) State **two** methods you will use to collect your data during the study. (2mks)
- (iii) Give **one** benefit of river deposition that you intend to verify during the study (1mk)
9. a) i) Define desert. (1mk)
- ii) State two types of deserts. (2mks)
- iii) Explain three ways in which wind erodes in the desert. (6mks)
- b) With well labeled diagrams describe how the following desert features are formed.
- i) Rock pedestal (5mks)
- ii) Mushroom block (5mks)
- c) Explain three importance of desert features to man. (6mks)
10. (a) (i) Define derived vegetation (1mk)
- (ii) State four characteristics of tropical rain forests vegetation. (4mks)
- (b) Explain four ways in which vegetation found in arid areas adapts to environment. (8mks)
- (c) Write the names of the grasslands found in the following areas (3mks)
- (i) Australia
- (ii) Europe
- (iii) South Africa
- (d) i) Give two reasons why Tundra region has scanty vegetation (2mks)
- ii) State two topographical factors that influence vegetation distribution (2mks)
- e) State five economic importance of vegetation (5mks)