

**KENYA CERTIFICATE OF SECONDARY  
EDUCATION (KCSE)**

**GEOGRAPHY**

**FORM 3 EXAMINATION**

**TERM 1 2019**

**TIME : 2 <sup>3</sup>/<sub>4</sub> HOURS**

**INSTRUCTIONS TO CANDIDATES**

- *This paper consists of two sections A and B.*
- *Answer all the questions in section A.*
- *Answer question 6 any other two questions in section B.*

**SECTION A 25MKS**

**Answer all questions in this section**

1. (a) What is the environment? (2mks)

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(b) Give the relationship between geography and:

(i) Medicine (2mks)

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(ii) Demography (2mks)

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2. (a) Name two theories explaining the formation of the solar system. (2mks)

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(b) What is equinox? (2mks)

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3. (a) Define atmospheric temperature (2mks)

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(b) Give three factors that are considered when classifying clouds. (3mks)

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4. (a) Describe two major types of earth movements.

(4mks)

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(b) Give two plate boundaries.

(2mks)

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5. Name four types of faults.

(4mks)

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6. Study the map of Taita Hills 1:50,000 (sheet 189/4) provided and answer the following questions.

(a) (i) Give the six-figure grid of spot height 878

(1mk)

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(ii) What is the altitude of the highest point in the area covered by the map.

(2mks)

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(iii) Measure the length of the railway line from the junction, grid reference 4 Mwatate. Give your answer in kilometres.

(2mks)

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(iv) Calculate the are covered by Teita sisal estate.

(2mks)

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(b)(i) Identify two types of natural vegetation found in the area covered by map. (2mks)

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(ii) Citing evidence from the map give three economic activities carried out in the area covered by the map. (6mks)

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(c). Draw a rectangle 10cm by 8cm to represent the area enclosed by Eastings 34 and 44 and Northings 20 and 28.

On it mark and name:

- (i) All weather road loose surface D535
- (ii) Reservoir
- (iii) River Ruhia
- (iv) Thicket vegetation west of river Ruhia

(5mks)

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(d) Describe the drainage of the area covered by the map.

(5mks)

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7. (a)(i) Define a rock.

(2mks)

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(ii) State three classification of rocks according to their origin and mode of formation. (3mks)

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(iii) Give three characteristics of minerals.

(3mks)

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(b)(i) What is rock metamorphism?

(2mks)

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(ii) Describe two types of rock metamorphism.

(4mks)

(c). Explain three ways in which rocks contribute to the economy of Kenya.

(6mks)

(d) You are required to carry out field study of rocks within your local environment.

(i) State two uses of a geological hammer during the field study.

(2mks)

(ii) List any three secondary sources of information you would use to prepare for the field study.(3mks)

8. (a)(i) State three factors that determine folding of crustal rocks.

(3mks)

(ii) Name threefold mountains found in the following areas:

(3mks)

Peru - .....

India - .....

Austria - .....

(b) Using well labelled diagrams, describe how fold mountains are formed.

(10mks)

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(c) Explain three ways in which fold mountains influence climate.

(6mks)

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(d) Name three major orogenies.

(3mks)

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9. (a)(i) Name three forest reserves found in the Kenyan Coast.

(3mks)

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(ii) Give four reasons why afforestation is encouraged in Kenya.

(4mks)

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(b) Explain four factors that favour growth of natural forests on the slopes of Mt. Kenya. (8mks)

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(c)(i) State four characteristics of softwood forests in Canada.

(4mks)

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(ii) Compare forestry in Kenya and Canada under the following headings:

(6mks)

- Transportation of logs.

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- Harvesting of trees

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- Tree species

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10. (a) Differentiate between weathering and mass wasting.

(2mks)

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(b) Explain how the following factors influences weathering.

(i) Nature of rocks

(4mks)

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(ii) Human activities

(4mks)

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(c)(i) Apart from exfoliation state three other processes of mechanical weathering.

(3mks)

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(ii) Explain three causes of soil creep.

(6mks)

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(d). Explain three positive effects of mass wasting.

(6mks)

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