

Name Adm. No.

GEOGRAPHY
October 2016
Time: 2 Hours

FORM 1 EXAMINATION

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INSTRUCTIONS TO CANDIDATES

- * Answer all questions in this paper.

SECTION I:

1. a) Name two main branches of Geography and give an example of what is studied in each branch. (4 marks)

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b) Give three importance of studying Geography in secondary school. (3 marks)

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2. a) State two theories that are used to explain the origin of the solar system. (2 marks)

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b) Give two reasons why the sun is a unique star. (2 marks)

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3. a) What is the shape of the earth? (1 mark)

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b) By giving their effects on the earth, give any two forces that are responsible for the shape of the earth. (4 marks)

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4. a) Define the term revolution. (1 mark)

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b) State three effects of revolution of the earth. (3 marks)

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5. a) Distinguish between absolute humidity and relative humidity. (4 marks)

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b) Stat two factors that influence humidity. (2 marks)

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SECTION B :

6. a) Define the following terms :

i) Weather (2 marks)

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ii) Lapse rate (2 marks)

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b) Highlight three conditions necessary for the sitting of a weather station. (3 marks)

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c) Apart from rainfall, state two other forms / types of precipitation. (2 marks)

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d) With aid of a diagram describe a land breeze. (4 marks)

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e) Your class plan to carry out a field study of a weather station near your school.
i) State two objectives of your study. (2 marks)

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ii) Explain how you will prepare for the field study. (3 marks)

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iii) List three methods you would use to collect data during the field study. (3 marks)

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iv) State two possible problems you are likely to experience during the field study. (2 marks)

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v) Highlight two advantages of learning Geography through field work. (2 marks)

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7. a) What is statistical data ? (2 marks)

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b) Highlight two significance of statistics. (2 marks)

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c) Use the information below to draw a simple windrose.

(4 marks)

Direction	N	S	E	W	NE	NW	SE	SW	Calm day
No. of days	2	3	5	3	4	4	3	4	2

d) Give two advantages of a simple windrose.

(2 marks)

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8. a) Differentiate between minerals and rocks.

(4 marks)

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b) State three characteristics of minerals.

(3 marks)

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c) Name two main types of rocks apart from metamorphic rocks.

(2 marks)

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d)i) Complete the table below.

(4 marks)

Original rock	Metamorphic rock
i) Sandstone
ii) Limestone
iii)	Graphite
iv) Mudstone

ii) Explain two ways in which rocks may become metamorphic.

(4 marks)

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iii) State three ways in which rocks contribute to the economy of Kenya.

(3 marks)

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9. a) Apart from sketch map name other two types of maps.

(2 marks)

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b) State four characteristics of a good sketch map.

(4 marks)

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c) i) What is marginal information ?

(2 marks)

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ii) Give two uses of map scale.

(2 marks)

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10. a) Define the term 'mining'

(2 marks)

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b) State three factors affecting the exploitation of minerals in Kenya.

(3 marks)

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c) i) Highlight two uses of soda ash.

(2 marks)

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ii) Apart from open cast mining, name any other two types of mining.

(2 marks)

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