

FOCUS A365

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FORM 3 TERM 1 geography pp3 EXAMINATIONS 2018

NAME: _____ ADM NO: _____ CLASS: _____

SECTION A

ANSWER ALL QUESTIONS IN THIS SECTION

1 (a) State two effects of the revolution of the earth. (2mrks)

(b) Give three components of the solar system. (3mrks)

2 (a) Apart from water vapour name three other substances that are suspended in the atmosphere (3mrks)

(b) Give two reasons why the recording of data at a school weather station may be inaccurate (2mrks)

3 (a) What is a rock (2mrks)

(b) For each of the following sedimentary rocks, name the resultant rock that forms after Metamorphism.

Sandstone

Limestone

Clay

(3mrks)

4 (a) Define folding (2mrks)

(b) Name three orogenies known in geological history.(3mrks)

5 (a) Name the grasslands of the following countries.

Australia (1mrk)

Eurasia (1mrk)

(b) State three characteristics of the equatorial climate (3mrks)

SECTION B

Answer question 6 and many other two question from this section

6. Study the map of Kitale 1:50000 sheet no 75/3 and answer the questions which follows

(a) What type of a map is Kitale (1mrk)

ii. Convert the scale used to draw the map of Kitale into statement scale (2mrk)

iii. Give the height in meters of the trigonometric station in the grid square 2311 (2mrk)

iv. What is the bearing of the trigonometrical station at Odiado Bomala (2mrks)

v. What is the six figures grid reference of the dispensary at Nangina (1mrk)

vi. Measure the distance of the loose surface road from the junction in grid square 2731 to the junction in grid square 3333.

vii. Citing evidence from the map give three economic activities carried out in the area covered by the map (3mks)

b. Draw a rectangle enclosed by Easting 23 and 31 and Northing 11 and 1b on it mark and name.

i. River Koitobos

ii. Seasonal swamp

- iii. Railway line
- iv. Municipality boundary (5mrks)

c. Describe the drainage of the area covered by the map (5mrks)

d. Identify two types of natural vegetation to the north of Northings 43 (2mrks)

7 (a) (i) Name three types of faults (3mrks)

(ii) A part from the Riftvalley name two other relief features that were formed as a result of Faulting (2mrks)

(iii) With aid of diagrams describe how compressional forces have led to the formation of the great Riftvalley.(8mrks)

(b) Explain three ways in which faulting may influence drainage system (6mrks)

(c) Students are planning to carry out a field study of an area affected by faulting.

- i. State four reasons why it is important for the students to have a pre-visit of the area (4mrks)
- ii. One of the ways they would use to collect data is through direct observation. Give two disadvantages of direct observation in the study of such an area (2mrks)

8a) (i) Differentiate between weather and climate (2mrks)

(ii) Explain two effects of climate change on the physical environment (4mrks)

b) The table below shows rainfall and temperature figures of a station in Africa.

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
TEMP IN	24	24	23	22	19	17	17	18	19	20	22	23

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RAINFALL (MM)	100	122	130	76	52	34	28	38	70	108	121	120

- I. On the graph paper provided draw a bar graph to represent rainfall figures.
(Use a vertical scale of 1cm represent 10mm) (5mrks)
- II. Describe the rainfall pattern of the station. (4mrks)
- III. Calculate the average monthly temperature for the station (show your calculations) (2mrks)
- IV. Calculate the total annual rainfall of the station (2mrks)

c) Students visited a weather station to study recording of weather elements.

- I. State three qualities in the construction of a Stevenson screen. They would during the study (3mrks)
- II. Identify three types of data. They are likely to have collected during the study. (3mrks)

9(a)i) Differentiate between weathering and mass wasting (2mrks)

(ii) Apart from plants give three other factors that influence the rate of weathering (3 mrks)

(iii) Name two types of weathering (2mrks)

(b) Explain the following processes of weathering.

- i. Hydration (2mrks)
- ii. Oxidation (2mrks)
- iii. Frost action (2mrks)

(c) Describe how exfoliation done is formed (6mrks)

(d) i) Give two processes of rapid mass movement (2mrks)

(ii) State four indicators of occurrence of soil creep in an area (4mrks)

10(a)i Define hydrological cycle (2mrks)

(ii) Draw a well labeled diagram of a hydrological cycle (7mrks)

(iii) State three factors that determine the amount of surface run off. (3mrks)

(b)i Differentiate between a watershed and catchment area (2mrks)

(ii) Explain the following ways of river erosion

Solution (2mrks)

Alluvion (2mrks)

(iii) State three factors which influence the rate of river erosion.(3mrks)

(iv) Students of waterus secondary school carried out field study in the upper course of the river.
Name four erosional features they were able to identify during their study (4mrks)