

312
GEOGRAPHY
JULY / AUGUST 2016
TIME: 2¾ HOURS

COMMON EVALUATION TEST – 2016 FORM 1

Kenya Certificate of Secondary Education (K.C.S.E.)
GEOGRAPHY
TIME: 2¾ HOURS

INSTRUCTIONS TO CANDIDATES:

- (a) *This paper consists of **two** sections A and B.*
- (b) *Answer **ALL** questions in Section A. In section B answer question **6** (**Compulsory**) and any other **two** questions.*
- (c) *All answers **must** be written in the answer booklet provided.*

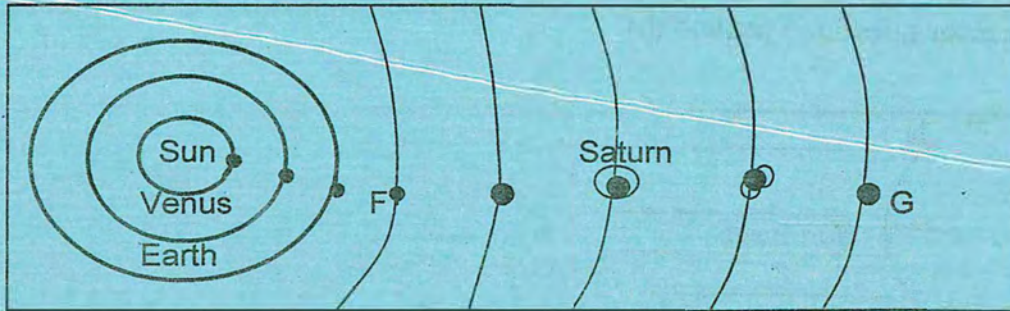
SECTION A
Answer ALL Questions in this section.

1. (a) What is Geography? (2mks)
2. Define the following terms:- (3mks)
 - (a) Environment
 - (b) Habitat
 - (c) Ecology
3. Identify two areas of study in physical Geography. (2mks)
4. Apart from the sun, name the other components of the solar system. (2mks)
5. If the local time in Nairobi at longitude 37°E is 10.00a.m. What will be the time at Buchanan Liberia at longitude 10°W ? (2mks)
6. State three weaknesses of the passing star theory. (3mks)
7. Name two theories of the origin of the earth. (2mks)
8. List two types of statistical data. (2mks)
9. State two advantages of sampling. (2mks)
10. (i) Name three types of fieldwork. (3mks)
 - (ii) Give three reasons why it is necessary to seek permission in field work. (3mks)
 - (iii) State four common problems likely to be experienced during field study. (4mks)
11. Define the following terms:
 - (i) Map (1mk)
 - (ii) Plan (1mk)
 - (iii) Picture (1mk)

SECTION B

12. (a) Distinguish between weather and climate. (2mks)
 - (b) List three elements of weather. (3mks)
 - (c) Name three processes through which the atmosphere is heated. (3mks)
 - (d) With the aid of a labeled diagram, describe how cyclonic rainfall is formed. (4mks)

13. The diagram below shows the composition of the solar system.



- Name the planets marked F and G.
- State **four** effects of the rotation of the earth on its axis.
- State **four** characteristics of planets.
- Describe the composition of the crust.

(2mks)
(4mks)
(4mks)
(2mks)

- Define the term questionnaire.
- Name **four** qualities of a valid questionnaire.
- Give **four** disadvantages of using observation as a data collection technique.

(2mks)
(4mks)
(4mks)

15. Use the data given below to answer the questions that follow.

10, 15, 3, 7, 10, 9, 6, 9, 15, 10, 7, 8, 6, 5

Calculate:-

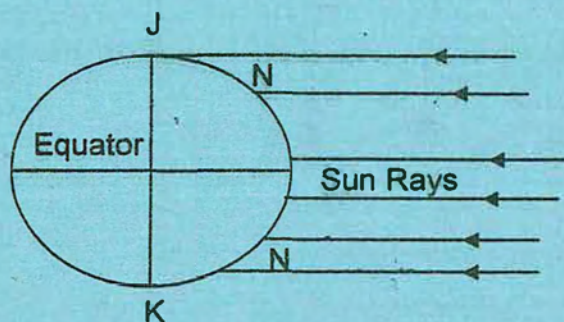
- Mean average
- Mode
- Median
- Range
- Percentage of occurrence.

(2mks)
(2mks)
(2mks)
(2mks)
(2mks)

- What are Isotherms?
- State the conditions necessary for condensation to take place.
- State **three** traditional methods of weather forecasting.
- Name **three** inert gases found in the atmosphere.
- Give **two** characteristics of frontal rainfall.
- Explain **three** factors influencing weather.

(2mks)
(2mks)
(3mks)
(3mks)
(2mks)
(6mks)

17. The diagram below shows the angles of the sun's rays at different latitudes when the sun is at equator. Use it to answer questions (a) and (b).



- (a) Name the parts of the earth's surface marked J and K. (2mks)
- (b) Give two reasons why intensity of the insolation is higher at M than at N. (2mks)
- (c) What is land breeze? (2mks)
- (d) Give two ways in which sea breezes influence the adjacent land. (2mks)