FORM 1 TERM 3 OPENER

GEOGRAPHY

Time: 2hrs

NAME: _____ ADM _____

1) Name the branches of Geography (3marks)

2) Explain the relationship between Geography and the following disciplines
   a) Mathematics (2marks)

   b) History (2marks)

3) Define the following terms.
   a) Galaxy (2marks)

   b) Milky Way (2marks)

4)
   a) Name two planets without satellites. (2marks)

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   b) Explain the origin of the earth according to the nebula cloud theory (4marks)

5) State the reasons why the earth has life on it. (3marks)

6) Explain three forces that contribute to the shape of the earth. (6marks)

7) Calculate the following.
   a) What is the longitude of station x when it is 08:00am while in Nairobi at longitude 37°E the time is 12.00 noon?
   (2marks)

   b) What is the time at point Y 30°W when the time at point Z is 20°E is 4:00pm? (2marks)

8)
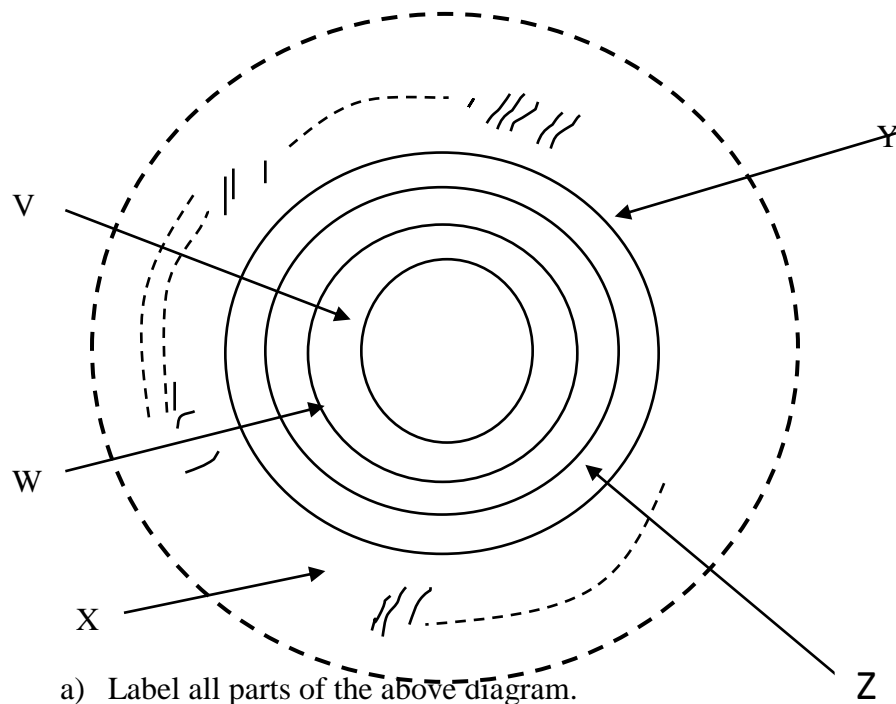   a) What is the International Date Line? (2marks)

    b) State the effects of international date line? (2marks)

9) List the five main latitudes on the globe. (5marks)

10) The diagram below represents the structure of the earth. Use the diagram to answer questions that follows.

    a) Label all parts of the above diagram. (5marks)

V

W

X

Y

Z

    b) List the composition of the crust.   (2marks)

    c) Name the other layer of discontinuity that make up the interior of the earth.
                                                           (1mark)

11)
    a) Define weather   (2marks)

    b) Identify five elements of weather   (5marks)

    c) What considerations should be put into account while siting a weather station? (4marks)

d) Give five characteristics of the Stevenson's screen   (5marks)

e) What are the elements of the weather measured from a Stevenson's screen? (2marks)

12)
   a) Describe the way a rain gauge works.   (4marks)

b) Why is it possible that the data recorded in a school weather station will not be accurate?
(3marks)

13) Identify the ways in which clouds are classified. (3marks)

14)
a) Using a well labeled diagram, describe the occurrence of relief rainfall (6marks)

b) Outline the characteristics of Inter-tropical convergence zone (ITCZ).   (4marks)

15)

   a) Students from one of the schools in Kirinyaga county, carried out a field study in Kerugoya Market. What five preparations did they make apart from making a work schedule?   (5marks)

   b) Why will it be necessary to make a work schedule before the study?   (3marks)

16) State three disadvantages of using interviewing method in the field study.   (3marks)

17) Study the statistical data below and answer the questions that follow

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   a) Calculate the mean of the rainfall amounts.   (2marks)

   b) The annual range of rainfall   (2marks)