312/1

F2 GEOGRAPHY

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INSTRUCTIONS TO CANDIDATES

This paper has two sections A and B

Answer all the questions in Section A and B

All answers must be written in the answer booklet provided

This paper consist of 8 printed pages candidates should check the questions paper to ascertain that all the pages are printed as indicated and that no questions are missing

xSECTION A

1. a) Define the term solar system (1mk)

   b) List down two theories that explain the origin of the solar system (2mks)

2. a) Give a brief explanation about the origin of the earth (4mks)

b) Fill in the blank spaces on the dimension of the earth (4mks)

      Equatorial diameter

      polar diameter

      equatorial circumference

      polar circumference

c) List down four proofs that the earth is spherical (4mks)

3. a) List down four effects of rotation of the Earth (4mks)

      b)with the aid of a well labelled diagram, explain how solar eclipse occurs (4mks)

4. a) Define the term weather (1mk)

    b) List down four factors that determine the amount of solar radiation which reaches the earth surface.
    (4mks)

5. a) Explain the term humidity (1mk)

    b)Differentiate between absolute humidity and relative humidity (2mks)

6. a) What is the meaning of the term winds? (1mks)

    b) With Aid of well labelled diagrams explain how land and sea breezes occur (6mks)

7. a) Name the four main zones of the atmosphere (4mks)

   b) Differentiate between negative, positive and zero lapse rate. (3mks)

   c) What is the ozone layer? (2mks)

   d) What is its importance to man? (2mks)

   - The table below shows rain fall and temperature in town x use it to answer the questions that follow

Months	j	F	M	A	M	J	J	A	S	O	N	D
Temp °C	23	24	26	28	29	28	26	26	26	30	28	25

Rainfall mm	3	0	3	1	18	500	720	408	300	70	15	0

a) Calculate

    i.   The total annual rainfall (2mks)

    ii.   The mean monthly rainfall (2mks)

    iii.   The annual range of temperature (2mks)

    iv.   The mean annual temperature (2mks)

b) Using the table indicate the following

    i.   The wettest month (1mks)

    ii.   The hottest month (1mk)

    iii.   The coolest month (1mk)

SECTION B

8. a) Define the term Earth movements (1mk)

b) Formation of internal or External land forms by tectonic forces is determined by the following (3mks)

c) List down two types of earth movements (2mks)

a) Give two causes of earth movements (2mks)

b) List down three evidences supporting continental drift theory (3mks)

c) List down three types of boundaries associated with plate tectonic movements (3mks)

9. a) Define the term folding (1mk)

b) Briefly explain the process of folding (3mks)

c) List down three different types of folds (3mks)

d) List down three features resulting from folding (3mks)

c) Fill in the gaps below (5mks)

Fold mountain   where found

  i.   Atlas   _____

  ii.   _____   Europe

  iii.   _____   Asia

  iv.   Andes   _____

  v.   _____   North America

f) Give three significances of folding to human activities (3mks)

10. a) Define the term faulting (1mks)

b) List down three types of faults (3mks)

c) i)What is a rift valley? (1mk)

ii) Mention three ways in which the rift valley may have been formed (3mks)

11. a) Explain the meaning of the following terms;
  i.   A picture (1mk)

  ii.   A map (1mk)

  iii.   A plan (1mk)

  b) Give three uses of maps (3mks)