TERM 2 2024

MID-TERM EXAMS

FORM 3 GEOGRAPHY

1**. Explain the relationship of Geography and the following disciplines.**

a. **Civil Engineering**- It is the branch of science that deals with building and maintenance of structure like roads, bridges, Geographical knowledge of land forms, rocks and soils is vital before the project are designed.

b. **Mathematics** – Maths knowledge helps geographers to simplify and interprets numerical data, calculation of area, measurement of distance etc

c. **History** – History is the study of the past events and current. Geographers require historical knowledge to know how the earth was formed.(6mks)

2. State the three weakness of the passing star theory. (6mks)

-Chances of another star approaching the sun are minimal.

- High temperature material drawn from the sun or from the star would disperse rather than condense.

- It does not explain where the sun and the passing star came from.

3. Explain four proofs that the earth is spherical. (8mks)

-Circumnavigation: It is possible to fly or sail round the earth following one direction say East and coming back to the same point.

-When the ship is approaching a port an observer standing on a cliff or any raised ground will not see the whole ship until it is too close.

- The earth rotates from West to East. The sun appears earlier in the East than West.

-During the eclipse of the moon, the shadow of the earth appears spherical.

- The earth's horizon appear circular.

- Since all planets, the moon and the sun are round when viewed through a telescope, it follows that the earth being one of the planets must also be round.

4**. The table shows rainfall and temperature of town Y. Using the figures given finds**

Temp. O°	23	24	26	28	29	28	26	26	26	30	28	25
Rainfall mm	200	100	400	600	180	500	720	408	300	70	15	0

a.The total annual rainfall.   (2mks)

- 4393mm

b. The wettest month.   (1mk)

- July

c. The mean monthly rainfall.   (2mks)

- 366mm

d. The annual range of temperature. (1mk

- 30-23=7°c

e. Mean annual temperature.   (2mks)

- 26.5°c

5. Using the data above draw line graph to present the temperature.   (7mks)

6. When it is 2.00pm in London, what is the time at town X that lies on longitude 160°E. (4mks)

- London is O° longitude and it is 2.00pm

      If 1° ⟶ 4 min

      160° ⟶ ?

            160 x 4 = 640min

            640/60 = 10hrs 40min

            10hrs 40min + 14.00

            X = 00.400am

7. a. Give the distinction between oceans and seas. (2mks)

- An Ocean is a large body of salty water on the surface of the earth between continents while a Sea is a mass of salty water surrounded by land.

b. Explain three significances of oceans and seas. (6mks)

- Modifies the climatic conditions of the adjacent lands.

- They are sources of fish.

-They have been used as water ways

- The tidal rise and fall of ocean waters have been harnessed to generate electricity.

- They are used for military strategy.

c. Mention three types of tides. (3mks)

- Perigean tides

- Apogean tides

- Neap tides

- Spring tides.