## FORM 1 GEOGRAPHY MARKING SCHEME

la. The study of relationship between man and his environment.	(1x3 marks)
b. Main branches of Geography	
Physical Geography	
Human Geography 2a. Asteroids! Planetoids	
<ul> <li>These are small planet like objects that orbit around the sun between planet mars</li> </ul>	and Iuniter
(1x2 marks)	s and Jupiter
Comets	
• These are heavenly bodies revolving around the sun in their own orbit. Each co	met has a head
and a long tail	(1x2 marks)
3. Planets	×
• Mercury	
• Venus	
• Mars	
• Jupiter	
• Saturn	
• Uranus	
• Neptune	(1x7 marks)
4. Two weakness of the passing star theory.	
• Chances of another star approaching the sun are minima.	
• High temperature material drawn from the sun or from the star.	
• It does not explain where the sun and the passing star came from	(2x1 marks)
5. Physics	
• Through Physics geographers are able to explain differences in our pressure, ver	tical and horizontal
movements of air, evaporation and condensation, all processes resulting from he	at
energy transfer.	
energy transfer. History	at (1x 2 marks)
<ul><li>energy transfer.</li><li>History</li><li>Geographers require historical knowledge on how the earth was formed, the dist</li></ul>	at (1x 2 marks) tribution of
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- Telescopic observations show that the earth is spherical.
- The earth horizon is always circular.

8. Revolution is the movement of the earth within a period of 3651/4 days while rotation is the movement of the earth on its axis within 24 hours. (1 x 2 marks)

(Any 1 x 5 marks

(1\*3 marks

 $100^{\circ} - 60^{\circ} = 40^{\circ} * 4 = 160$ 60 mins 60 = 2 Hr 40 Min 10.00 +2.40 12.40 pm

 $60^{\circ} + 30^{\circ} = 90^{\circ} * 4 = 360^{\circ}$   $60 \quad 60 \quad = 6 \text{ hrs}$  10.00 -6.00 4.00 am

10 a. It is a wooden box found in a weather station where some weather instruments are kept e.g. Thermometer 2 marks

- Metal stands- to prevent attack from termites.
- Double boarding to prevent isolation.
- 121 cm above the ground to avoid terrestrial radiation.
- 11. How itworks.
  - When the temperature rises the mercury expands and pushes the metal index forward.
  - When the temperature falls the mercury contracts leaving the index behind.
  - The maximum temperature reached is shown at the end of metal index that was in contract with the mercury.
  - Alter taking the readings the thermometer is set by bringing the metallic index into contact with Mercury (any 4x1)
- b. Diurnal range of temperature
  - It is the difference between the maximum temperature of the day and minimum temperature of the day.

Mean monthly temperature

• It is the sum of the mean daily temperature divided by the number of days in a month / Sum of mean daily temperature

Number of days in a month

Mean annual temperature

- It is the sum of the mean monthly temperature divided by number of months in a year. Sum of mean monthly temperature
  - 12
- 12. Four seasons
  - Summer
  - Autumn
  - Winter

The amount of moisture in the air detennines the amount of precipitation. Water vapour absorbs radiation, hence regulates the heat loss from the earth. • The amount of water vapour determines the amount of energy stored in the atmosphere for development of storms Any 2\*1 2marks c. Formulae **Relative humidity** RH= Absolute humidity \* 100% Actual amount of moisture the air can hold in a given temperature 14. Frost refers to ice crystals that are deposited on objects on the ground (1x2)Mist is a mass of tiny water droplets suspended immediately above the ground (1\*2 marks)Sleet is a mixture of rain and snow. 1\*2 marks 15. Sea Breeze • It occurs during the day. The land gets heated faster than the sea during the day. • Low pressure develops over the land. • Over the sea/ocean high pressure develops. • Cool air from the sea blow onto the land to replace the rising warm air (1x4 marks) 16a. High clouds • Cirrus • Cirro-cumulus • Cirro — Stratus b. Characteristics of cumulus clouds. Convention cloud with large white globular masses. • Has a clear outline with the horizontal base. • has protruding tops that are dome shaped. Has thick vertical development. (Any 2x1 marks) • 17a. Weather forecasting • This is the prediction of the weather situation for a given place within a short period of time like an hour/a month/ a year. (1x 2 marks) b. Importance of weather forecasting Helps to determine the farmers calendar • Helps to determine suitable clothing • Helps to determine suitable housing • Helps to determine fishing habits • Helps to determine time for air and sea travels. • Helps to plan sporting activities • Helps in planning military activities. 18. Layers of the temperature Troposphere • Stratosphere •

- Mesosphere •
- Thermosphere
- 19.
- Aneroid Barometer

## (4 marks) (1x2)

## • Spring

b. Importance of humidity

## 1 3a. Humidity is the amount of moisture in the atmosphere

- Anemometer
- Sunshine recorder! Campbell stoke sunshine recorder