

OPENER EXAMINATION: TERM 2 2024

FORM 1

GEOGRAPHY - MARKING SCHEME

1a. Define the term Geography 2mks

Scientific study of the earth as a home of man.

b. Give two branches of Geography 2mks

physical

human

c. Identify any 4 areas of study under human Geography 4mks

- Mining
- Forestry
- Agriculture
- Fishing
- Wildlife and tourism
- Industry
- Energy etc.

d. Give any 6 importance of studying Geography 6mks

- Facilitates good relationship among nations by studying geography of other regions of the world.
- It's a career subject in that it enables one to go for advanced studies in specialised fields e.g. geography teachers, meteorology, surveying etc.
- Enables us to appreciate other people's way of life by learning economic activities of different communities within our country and other parts of the world.
- Enables us to conserve our environment when we learn negative and positive effects of human activities on the environment.
- Enables us to conserve our resources when we learn wise use of resources in conservation and management of resources e.g. wildlife, forests, energy, etc.
- Inculcates in us virtues of cooperation and patience as we work in groups.
- Makes us to appreciate manual work as we are involved in practical geography which may lead to self employment.
- Promotion of industry such as tourism by guiding tourists to places of interest by using maps, calculations of distances

2. Name 3 subjects related to Geography 3mks

- Mathematics
- Physics
- Agriculture
- Biology
- Chemistry

3.a. Describe the passing star theory 3mks

A star with a greater gravitational pull passed near the sun

It attracted large quantities of gaseous materials from the sun

The materials split, cooled and condensed to form planets

The planets were set in orbit by the passing star

b. State the weaknesses of the passing star theory 3mks

Doesn't explain the origin of the sun and star.
Minimal chance of a star approaching another
Materials would disperse than condense

4a. State 6 proofs that the earth is spherical 6mks

If one moves towards the east in a straight line he will end up where he started.

Satellite photographs taken from space show that the earth is like a sphere.

Places in the east see the sun earlier than those in the west.

When a ship is approaching the smoke is seen first, then the mast and finally the whole ship.

All the planets are spherical so the earth being one of them is also spherical.

During the moon eclipse the earth casts a spherical shadow on the moon.

The earth's horizon appears curved when observed from a very high point like a tower.

5. State 4 effects of rotation of the earth 4mks

Creates day and night because at any one time one side of the earth faces the sun (day) and the other remains in darkness (night).

Causes deflection of winds and ocean currents in the N hemisphere to the left and in the S hemisphere to the right.

It causes rising and falling of ocean tides.

Causes time difference between longitudes

6. State 4 layers of the atmosphere 4mks

Stratosphere

Troposphere

Mesosphere

Thermosphere

7a..Define the term weather 2mks

Daily atmospheric conditions of a place at a particular time

b.State 5 elements of weather 5mks

Temperature

Humidity precipitation

Precipitation

Atmospheric pressure

Wind

Sunshine

Cloud cover

8 a...Name three factors considered when sitting a weather station 3mks

An open place where there is little obstruction of weather elements.

Accessible place so that recording can be done easily.

A fairly level or gently sloping ground (5°) so that it's easy to position weather instruments.

The place should provide a wide view of the surrounding landscape and the sky.

The site should be free from flooding.

The place should have security.

b.Give any three instruments kept in a Stevenson screen 3mks

Maximum thermometer

minimum thermometer



Six's thermometer

hygrometer-wet bulb and dry bulb thermometer

9.a. What is weather forecasting 2mks

Prediction of the conditions of the atmosphere for a given place for a certain period.

b. State the significance of weather forecasting 6mks

Helps us to be aware of natural calamities related to weather before they occur so as to take precautionary measures.

Guiding tourists on when to visit national parks.

Helps farmers to plan their activities such as planting, harvesting, etc.

Ensures air and water transport is carried out safely.

Helps sporting people to plan their training and competition schedules.

Helps people to plan many other activities such as mining, electricity generation, holiday events, etc.

Helps fishing communities to plan their activities

10. Identify any 5 factors influencing weather 5mks

Altitude

Latitude

Aspects

Wind

Cloud cover

Distance from the sea

11.a. What is precipitation 2mks

The forms in which the earth's surface receives moisture

b.state 4 forms of precipitation 4mks

snow

sleet

hail

rain

dew

