**GEOGRAPHY FORM 2**

**END OF TERM 2 EXAMINATION**

**MARKING SCHEME**

1. **(a) what is a Stevenson screen**
* Is a white wooden box in which metrological instruments are kept in a weather station **(1x2= 2 marks)**

**(b) Name three instruments that are placed in Stevenson screen**

 - Maximum thermometer

 -Minimum thermometer

 -Six’s thermometer

 - Hydrometer

 (**Any** **3 x1=3 marks** )

**2. State three effects of the rotation of the earth**

 - Causes day & night

 - causes differences of one hour between

 - It causes deflection of winds ocean tides

 **( 3 x 1= 3 marks )**

1. **(a) State four proofs that the earth is spherical**

- Circumnavigation of the earth along a straight path leads one of starting point

 - The gradual appearance of the ship approaching the shock

* The difference times during which sun rises and sets in different parts of the world
* The circular shadow cast by the earth during a lunar eclipse
* All other planets are circular

 **( Any 4 x1=4 marks )**

**4. Name the layers of the atmosphere**

 - Troposphere

 - Stratosphere

 -Mesosphere

 -Thermosphere/ Ioriosphere

 - Exosphere **( Any 4 x1=4 marks )**

**5. (a) Name two scales used to measure the intensity of an earthquake**

 - The Rossi-sorrel scale

 - The mercelli scale **( 2 x 1 =2marks )**

**(b) List five causes of earthquake**

 - Gravitational pressure

 - Collision of tectonic plates

 - Energy release in the mantle

 - Isotonic adjustment

 - Violent volcanic emption

 -Nuclear explosions

 - Adjustment along fault lines

 - building reservoirs

- Magma movement within the crust ( **Any 5x1=5marks )**

**6. (a) Outline any four uses of maps**

 - To locate places/landforms on the earth’s surface

 - To determine the size of a particular location

 - To provide different information about places eg. Climate vegetation

 - used by travelers to find direction to a particular place

 - used to summarize information quickly for future reference **( Any 4x1=4marks )**

**(b) Give any three marginal information found in topographical map**

 - map series

 -sheet index number

 - Sheet name/ title

 - The scale

 -Edition

 - Copyright & publisher

* The key
* Grid system numbers
* Latitudes & longitudes
* Compass direction
* Index to adjusting sheets
* Administrations boundaries **( Any 3 x 1=3 marks )**

**7. (a) Give three forces that are responsible for lateral earth movement**

- Tension force

- Compression

- tear/ shear force **( 3x1=3 Marks )**

**(b) Name two types of tectonic plate boundaries**

-Divergence/ extension/ constructive

- converging/ compression/ destructive

- Transform/ conservative **( 2x1= 2marks)**

**8. (a) What is folding**

-Process in which crustal rocks are distorted by compressional forces causing them to bend upwards and downwards **( 2Marks)**

**(b) Use the diagram below to answer the questions that follow**



Name the part labeled

B- Limb

 C-Anticline

D- Syncline **( 3 x 1=3 marks )**

 **SECTION B : 60 marks**

**9. (a) Give 2 factors that are considered when classifying clouds**

- Height

-Shape/form

- Appearance

 **( Any 2 x 1= 2Marks )**

**(b) Give four reasons why weather forecasting is important**

- Help the farmer to plan their farming activities

- It influence design of houses guides in the timing of sporting tourism activities

- It guides in landing & taking it of aircrafts

- it guides fishing activities

-It guide sporting activities **(Any4 x 1 = 4mks)**

**(c) Suppose you visited a weather station a field study on weather**

**(i) Give four methods you would use to record data**

- Filming/ video tapping/ taking photographs

- Observation

-interviewing

- Reading from secondary sources

- Administering questionnaires

- Taking measurements

- Reading instruments **(Any 4 x 1 = 4 Mks)**

**(ii) State five advantages of studying weather through field work**

* It enables students to collect first hand information
* It enables learner to learn how to use weather instruments
* It enables students to apply the knowledge learned in the classroom
* It make learning real
* It provides detailed/broad learning
* It enhances visual memory learning

 **( Any 5 x 1= 5marks )**

**(d) State five factors that influences climate**

- Altitude

- Configuration of coastline in relation to prevailing wind

- Aspect

-Latitude

- Distance from the ocean

- Ocean currents

- Wind & air massing

- Human activities

 **( Any 5 x1=5 Marks )**

**10(a). (i) what is a mineral** It is an inorganic substance with definite chemical composition at or on beneath the earth surface **(2 Marks)**

**(ii) Give four characteristics of minerals**

* Have different degree of hardness
* Can be opaque, transparent translucent
* Minerals have tenacity ability to with stand tearing
* Minerals have different texture

(**b) (ii) What is metamorphic rocks** - Rock formed when original igneous/ sedimentary rock is subjected intense heat or pressure

 **(2mks)**

**(ii) State four characteristics of igneous rock**

* Rock form no crystals
* Fined grained
* Form on the earth’s surface
* They form from cooling & solidification of lava

 **( 4 x 1=4 Marks)**

**(c) Outline the significance of rocks to the economy of Kenya**

- Some rocks unique features that attract tourist

-Some sedimentary rocks contain fossils fuel which is a source of energy

- Some rock act a storage for water which can be supplied for domestic & industrial use

- Rocks are exploited to earn income eg in quarries

- Some rocks contain minerals which exploited for income

 **(Any 4 x 2=8 Marks)**

**11. (a) Name four active volcanoes in Kenya**

- Logonot

- Teleki

-Likaiyu

- Suswa

- Menengai

-Homahills

 **( Any 4x1=4mks )**

(**b) Describe the formative of a composite volcano**

- It is made up of alternative layers of pyroclasts and lava

- It is formed when successive vent eruptions occur. The volcano begins with each eruption with great violence forming layers of ash

-Lava pass through the main pipe and exits through the crater

- a parasitic cone may develop on the side of the volcano composite

- Volcano has steep slopes **( Any 4x1= 4 Marks)**

**(c) Explain Six ways in which volcanic feature influence human activities**

-Volcanic highlands/ mountain are sources of rivers which provide water for domestic & agriculture/ industrial use

- Volcanic rocks weather to form fertile volcanic soils which support agriculture

- Volcanic rocks are important building materials in the construction industry

- Volcanic features are tourist attractions which promote tourist industry

-Volcanic features such as steam jets and geysers are harnessed to provide geothermal power

- Volcanic mountains/ highlands have forests which provide valuable timber used in building & construction industries

- Volcanic highlands/ mountains modify temperature making them attractive to human settlements

 **( Any 6 x 2= 12mks )**