**312/1**

**SUKELLEMO JOINT EXAMINATIOS**

**GEOGRAPHY PAPER 1**

**PRE - MOCK EXAMINATION**

**TERM 1 2023**

**TIME: 23/4 HOURS**

**INSTRUCTIONS:**

*This paper has* ***two*** *sections****: A*** *and* ***B***

*Answe****r all questions*** *in* ***section A***

***In section B*** *answer* ***question 6*** *and* ***any other two questions***

***FOR EXAMINER’S USE ONLY***

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **QUESTION** | **SECTION A** | **6** | **7** | **8** | **9** | **10** | **TOTAL** |
| **MARKS** |  |  |  |  |  |  |  |

**SECTION A**

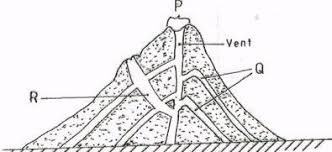
1a) Define the term rotation of the earth (2mks)

b) State **three** effects of revolution (3mks)

2a) Apart from simple symmetrical fold, Name **three** types of folds (3mks)

b) Name **two** fold mountains in Africa (2mks)

3a) Use the diagram below to answer the following question.



Identify and name the parts labelled **P, Q & R** (3mks)

b) List **two** intrusive features as a result of vulcanicity (2mks)

4a) Give the **three** main types of river erosion (3mks)

b) State **two** conditions for river capture to take place (2mks)

5a) Define the term Ice berg (2mks)

b) List **three** types of moraine (3mks)

**SECTION B**

**6 Study the Map of Kisumu East 1: 50 000 (sheet 116/2) provided and answer the following questions**

ai.Apart from Topographical maps name **two** other types of maps. (2m)

ii. What is the trigonometrical station at grid reference 081980 from the rock outcrop at grid reference **071992.** (2m)

iii. Measure the length of the all-weather road bound surface B from the grid reference **974911** to the edge of the map, grid reference **947967**.Give your answer in Kilometers. (2m)

bi. Describe the relief of the area covered by the map (5m)

c. Citing evidence from the map give **three** economic activities apart from crop growing carried out in the area covered by the map. (4m)

di Students from the school at Masogo (grid square **0681**) carried out a field study of the course of river Ombeyi

i. State **four** findings they are likely to come up with. (4m)

ii. Give **three** advantages of studying rivers through fieldwork. (3m)

iii. What problems were the students likely to face during their field study? (3m)

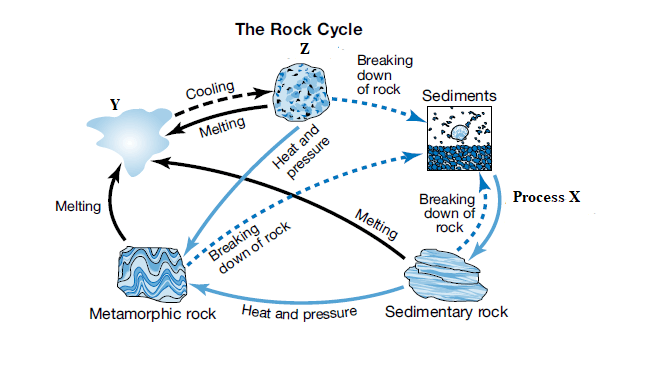
7 (a) (i) Describe the following characteristics of minerals:

* Texture (1mk)
* Tenacity (1mk)

(ii) Describe how mechanically formed sedimentary rocks are formed. (4mks)  
(b) For each of the following rocks, name the resultant rock that forms after  
metamorphism.

(i) Sandstone (1mk)  
(ii) Limestone (1mk)  
(iii) Granite (1mk)

c) The diagram shows the rock cycle. Study it and answer the questions that follow.



Idntify the following:

i) Process X (1mk)

ii) Material Y (1mk)

b) State **three** characteristics of rock Z (3mks)

(c) Explain the economic significance of rocks in Kenya under the following sub-headings.

i) Tourism (2mks)

ii) Agriculture (2mks)

iii) Industry (2mks)

(d) Students carried out a field study on rocks around their school.  
(i) State **two** importance of stating the objectives for their study. (2mks)  
(ii) Give **three** reasons why they prepared a route map of the study area.(3mks)

8.ai. Define the term vegetation (2m)

ii. Draw a well labelled diagram showing the vegetation zones found on the mountain zone. (5m)

b. Describe four adaptations of succulent perennials of tropical desert vegetation. (4m)

c. The Map below shows the distribution of major grassland vegetation zones of the world. Study it and answer the questions that follow

 i.Identify and name the grassland vegetation zone marked 1 to 5 (5m)

ii.Identify and name the line of longitude marked **D** (1m)

d. Form four students carried out a field study on a tropical rain forest in a certain area in Africa.

i. Name **three** hardwood tree species they are likely to observe. (3m)

ii. Formulate **one** hypothesis for their study. (2m)

iii. State **three** methods of recording data that the students used in their field study. (3m)

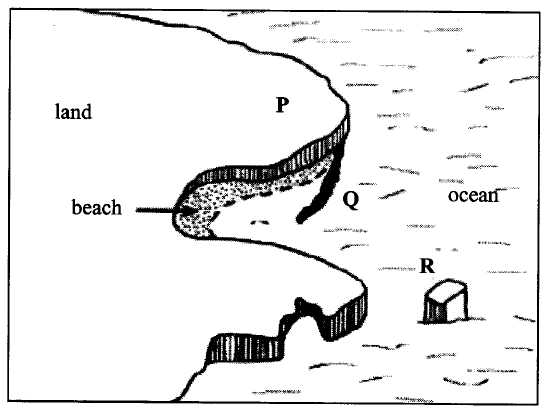
9. a) Define the term Oceans (2mks)

b) Apart from beach, name **four** features formed as a result of wave deposition (4mks)

c) State **three** differences between oceans and seas (3mks)

d) With aid of a well labeled diagram, describe the formation of a cave. (6mks)

e) Identify and name the features marked **P, Q, & R** (3mks)



f) Give **three** main types of submerged upland coasts (3mks)

g) Explain **two** negative significance of coasts and coastal features (4mks)

10.(a) (i) What is soil (2mks)

(ii) State **three** main components of soil (3mks)

(b) Explain how the following weathering processes contributes to the formation of soil

(i) Hydration (3mks)

(ii) Oxidation (4mks)

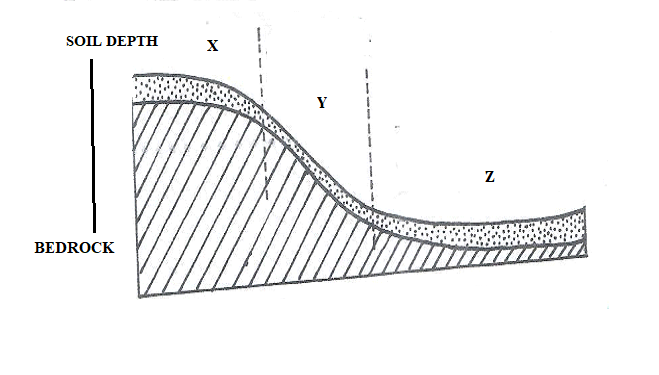
(c) (i) Name the type of soil structures which fits the following descriptions

 Soil particles are arranged in thin sheets on top of each other. (2mk)

 Soil particles are arranged vertically in cylindrical manner (2mk)

(ii) The diagram below represents soil catena. Identify the nature of soils in the stages

marked **X, Y** and **Z**. (3mks)



(d) Explain how the following factors cause soil degradation

(i) Leaching (2mks)

(ii) Mono cropping (2mks)

(iii) Burning of land (2mks)