**GITHUMU BOYS HIGH SCHOOL**

**FORM ONE GEOGRAPHY**

**DECEMBER HOLIDAY ASSIGNMENT(2024)**

**INSTRUCTIONS**: ANSWER ALL THIS QUESTIONS IN YOUR SUMMARY BOOK

QUESTIONS ON ROCKS AND MINERALS

(1) **Differentiate** between rock and mineral. (2mks)

(2) What **Conditions** qualifies a substance to be called mineral. (4mks)

3) Explain **three** types of minerals. (6mks)

4) Explain **five** characteristics of minerals. (10mks)

5) **Explain** how the following types of rocks are formed giving examples

i) Igneous rocks. (6mks)

ii) Sedimentary rocks. (6mks)

iii) Metamorphic rocks. (6mks)

(6) **Give** the metamorphic equivalent of the following type of rocks. (8mks)

|  |  |
| --- | --- |
| ORIGINAL ROCK | METARMORPHIC ROCK |
| Sandstone |  |
| Limestone |  |
| Coal |  |
| Clay/shale |  |
| Mudstone |  |
| Augite |  |
| Basalt |  |
| Granite |  |

(7) Give **five** reasons Why coral rocks are widespread at the coast. (5mks)

(8)Explain **five** uses of rocks. (10mks)

MINING

(1) **Define** the term mining. (2mks)

(2) Explain four factors that influence the occurrence of minerals. (8mks)

(3) Give **four** ways by which minerals occur. (4mks)

(4)Explain **five** factors that influence exploitation of minerals. (10mks)

5) **Explain** how the following mining methods are done:

i) Stripping method. (5mks)

ii) Deep shaft method. (6mks)

iii) Panning method. (5mks)

iv) Hydraulic mining. (4mks)

(6) Explain **seven** Significance of mining to the economy of Kenya. (14mks)

(7) Explain **Negative effects** of mining on the environment. (10mks)

(8)**Explain** how soda-ash is extracted and processed in lake Magadi. (8mks)

(9) Give **five** uses of soda ash. (5mks)

10) **Explain** Benefits of soda ash mining to the economy of Kenya. (10mks)

11) Explain **five** Problems facing soda ash mining in Kenya. (10mks)

12) **Name** the rock that contain Gold in south Africa. (1mk)

13) **Name** regions where Gold is extracted in South Africa. (3mks)

14) **Explain** how Gold is extracted and processed. (8mks)

15) Give **four** uses of Gold. (4mks)

(16) Explain **five** contribution of Gold to the Economy of South Africa. (10mks)

17) Name **four** diamond producing countries in Africa. (4mks)

18) Name **three** diamond mining areas in South Africa. (3mks)

19) **Explain** the Extraction and processing of diamond. (6mks)

(20) Give **four** uses of diamond. (4mks)

(21) Give the Contribution of Diamond to the Economy of South Africa. (8mks)

(22) Give the Problems Facing Diamonds Mining in South Africa (6mks)

(23) Give **four** Conditions necessary for the formation of petroleum. (4mks)

24) Give **four** Oil producing countries in the Middle East. (4mks)