

1a) State two differences between acid lava dome and basic lava dome.

(i) Give three examples of Active volcanoes found in Kenya.

(ii) Identify other cycles of volcanoes

b) Describe how the following features are formed.

✓ Hot spring

✓ Geyser

✓ Gull

✓ Dyke

c) Explain four negative effects of volcanicity to human activities.

2a) Apart from an overthrust fold, name three other types of folds

(i) With an aid of well labelled diagram, describe the formation of an over thrust fold.

b) Name the young fold Mountains found in the following continents

✓ Africa

✓ South America.

✓ Asia

✓ North America

c) Describe the formation of fold Mountains according to the convectional current theory

b) Explain four effects of folding on physical environment.

3a) Differentiate between forestry and forest.

(b) Explain four factors influencing distribution of natural forest in Kenya.

a) Name three types of hardwood trees found in Kenya.

(ii) Give four characteristics of coniferous forests.

(d) Explain factors that have led to decline of the area under forest cover in Kenya.

4a) Name two types of Placer Mining

(ii) Describe the processing of gold in South Africa.

(iii) Give any three uses of gold in South Africa.

b) Explain how the following factors influence exploitation of Minerals.

- Value of Mineral
- Quality of ore
- Mining method.

10) Explain four effects of Open cast mining on environment.

5a) Name two places in Tanzania where gold is mined

b) State three formations in which minerals occur

c) Give four uses of Soda ash.

d) Explain how the following factors influence occurrence of Minerals.

- ✓ Volcanicity
- ✓ Metamorphism
- ✓ Sedimentation

e) Explain four problems facing exploitation of minerals in Kenya.

6a) Describe the following characteristics of minerals.

- Tenacity
- Lustre
- Streak
- Cleavage

b) Describe the process of formation of the following rocks

- (i) Chemically formed Sedimentary rocks
- (ii) Organically formed Sedimentary rocks
- (iii) Volcanic rocks
- (iv) Plutonic rocks

c) State four characteristics of metamorphic rocks

7 Explain how the following weather instruments work

- (i) Rain gauge.
- (ii) Sunshine recorder.

2. What is precipitation?

(b) State four characteristics of inter-tropical convergence zone.

(c) With an aid of well labelled diagram, describe how frontal rainfall is formed.

9. State three conditions that are necessary for the formation of petroleum.

(b) Give two by products of petroleum

10. Explain the origin of the Solar System according to

(i) Passing star theory

(ii) Nebula cloud theory

10. Explain how Geography is related with the following subjects

(i) History

(ii) Chemistry

(iii) Physics

(iv) Meteorology

11. Describe the shape of the earth.

12. State three characteristics of outer core.

13. Apart from Shaft Method, Give two types of underground

● Mining

(i) Describe the deep shaft method of Mining

(ii) State three ways through which Mining pollutes the environment.

14. Describe the formation of Lava Plateau.

(i) State three causes of Volcanicity

(ii) Give three ways through which Volcanicity influences drainage.