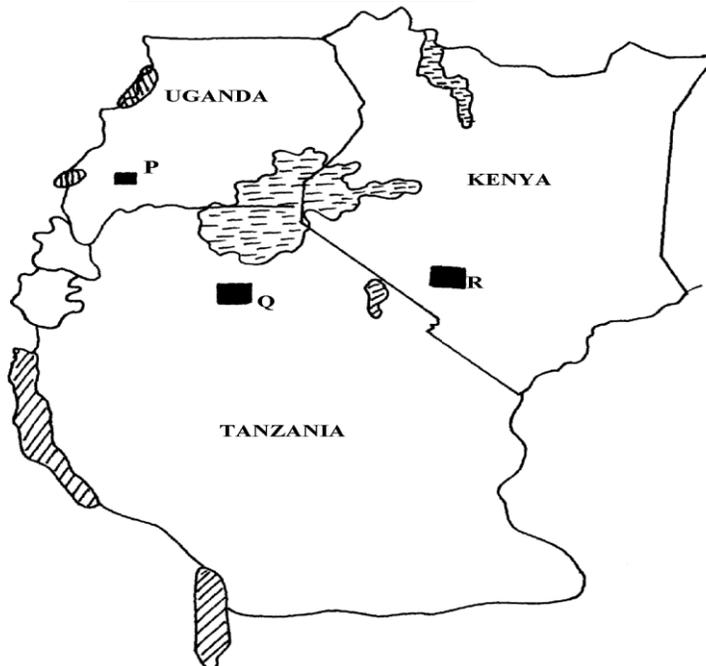


8. MINING

This topic entails

- (i) *Defining mining*
 - (ii) *Explaining the factors influencing:-*
 - The occurrence of minerals*
 - Mining activities*
 - (iii) *Describing methods of mining*
 - (iv) *Locating major minerals on the map of East Africa*
 - (v) *Explaining the significance of minerals in Kenya*
 - (vi) *Accounting for the problems facing the mining industry in Kenya.*
 - (vii) *Explaining the effects of mining on the environment in Kenya.*
 - (viii) *Describing the occurrence of specific minerals and their exploitation in selected countries.*
-
1. (a) (i) What problem has been brought about by uncontrolled mining of minerals in Kenya?
(ii) Where is fluorspar mined in Kenya?
(iii) Describe how trona is mined and processed in Magadi
 - (b) (i) List **two** ways in which mining leads to loss of biodiversity
(ii) List **two** ways in which mining leads to pollution
2. (a) (i) Name **three** methods of mining.
(ii) State **five** factors that influence the exploration of minerals.
(iii) State **three** ways in which mining derelicts can be reclaimed.
3. (a) State **two** ways in which gold in South Africa occurs. (2mks)
(b) Give **three** ways in which abandoned mined sites could be rehabilitated.
4. (a) Name **two** countries in Africa where oil is mined
(b) State **two** by-products of crude oil
5. (a) (i) Define the term '**mining method**'
(ii) Explain how the following factors influence mining:-
 - Technology
 - Quality of the ore
 - (b) Use the map of East Africa below to answer question (i)

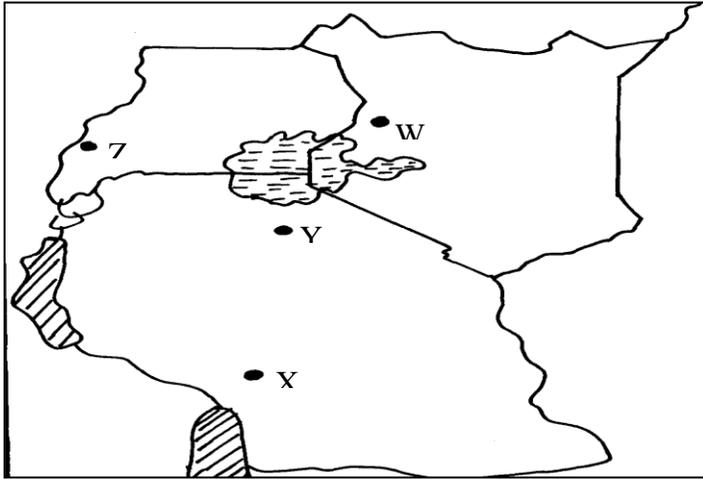
MAP OF EAST AFRICA



- (i) Name the minerals found in the areas marked **P, Q, R**

- (ii) Name **two** areas in South Africa where diamonds are mined
- c) Open-cast method of mining.
- d) Benefits of trona to Kenya.
- e) Problems facing the mining industry in Kenya.

6. Use the map of East Africa below to answer question (a) (i)



- (a) (i) Name the minerals mined in the areas marked **W, X, Y** and **Z**
- (ii) Give **four** ways in which minerals occur
- (b) Identify any **five** factors that influence the exploitation of minerals
- (c) Explain any **four** problems associated with mining
- (d) List any **four** main minerals mined in Kenya

- 7. (a) Give **three** main methods of mining
- (b) The following data shows the value of minerals exported from Tanzania between the years 2000-20003. Use it to answer the following questions:

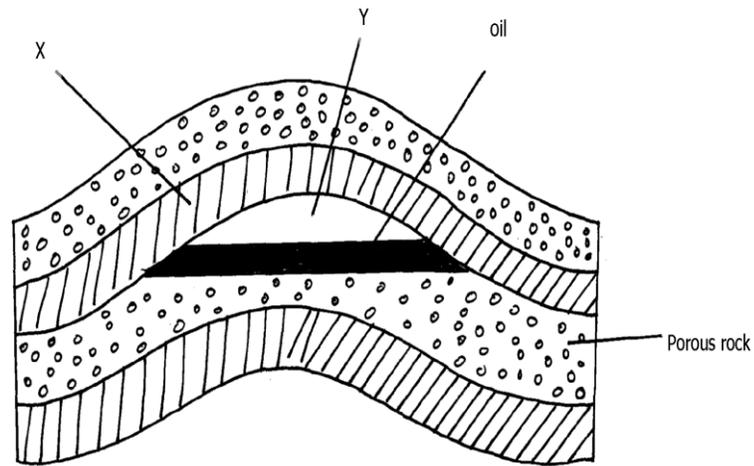
Value of mineral exports in millions of Tshs.				
	2000	2001	20002	2003
Gold	680	700	500	400
Diamonds	1000	800	700	900
Mica	400	100	400	100

- (i) Calculate the percentage decline in the value of diamond exports between 2000 and 20001.
- (c) Explain any **four** ways in which trona mining contributes to the growth of the economy in Kenya

- 8. (a) (i) State **three** methods used in mining
- (ii) Name the mineral found in the following areas;-
 - Magadi
 - Mwandui
 - Kasese
- (b) Describe the following factors influence mining of minerals
 - (i) Technology
 - (ii) Quality of ore
 - (iii) Accessibility
- (c) Explain **four** problems facing the mining of Gold in South Africa
- (d) (i) List **two** leading to oil producing countries in the middle East
- (ii) State **three** uses of petroleum

(e). State **three** problems of land dereliction

9. The diagram below shows



- (a) Identify the parts marked **X** and **Y**
- (b) Give **three** reasons why Kenya imports petroleum in crude form and not as refined by-products
10. (a) Differentiate between veins and lodes
- (b) State **three** effects of land dereliction
11. (a) (i) Give **three** methods of mining.
- (ii) Name **two** places where gold is mined in Tanzania.
- (b) Explain **four** factors which influence the exploitation of minerals.
- (c) State **four** negative effects of mining on the environment.
- (d) (i) Describe how solution mining is carried out.
- (ii) State **three** ways in which mining contributes to the economy of Kenya.
12. (a) (i) Name **three** methods of mining
- (ii) Explain **three** ways in which soda ash contributes to the economy of Kenya
- (iii) Identify **four** problems facing gold mining in South Africa
- (b) (i) State **three** conditions necessary for the formation of petroleum
- (ii) Give **two** by-products obtained when crude oil is refined
- (c) What **three** benefits would Kenya get if the current prospecting for oil yields good results
- (d) (i) Name **two** minerals mined in the Southern Highlands of Tanzania
- (ii) Name **two** ports through which minerals from East Africa are exported through