

FIELD WORK STUDY IN KENYA:

STUDY GUIDELINES

GENERAL GEOGRAPHY OF KENYA

- a) Describe the position and size of Kenya.
- b) Identify the provinces in Kenya.
- c) Mention the three cities found in Kenya.
- d) Identify the physical divisions of the country.
- e) With specific examples, identify the main features in the country resulting from the following:
 - (i) Faulting.
 - (ii) Volcanicity.
- f) Describe how these features were formed.
- g) Describe the natural vegetation of the country and account for the varied nature of vegetation.
- h) Describe the drainage of the country.
- i) Describe the climate of the country and account for the nature of the climate.
- j) Describe the population of Kenya and account for the population distribution.
- k) With reference to specific examples describe the main economic activities carried out in the country.

URBAN STUDY OF MOMBASA

- a) Describe the site of Mombasa city.
- b) Briefly describe the climate of Mombasa.
- c) Briefly explain the historical background of Mombasa city.
- d) With reference to specific examples identify the functions of Mombasa city.
- e) Explain the factors that could have contributed to the growth of Mombasa into a large urban centre.
- f) Identify the problems being faced in Mombasa as a major urban centre.
- g) Explain how the problems of Mombasa are being solved.
- h) Describe the future prospects of Mombasa city.

THE PORT OF MOMBASA

- a) Explain what is meant by Mombasa port being at a natural Harbour?
- b) What harbours or tidal waters make up the port of Mombasa?
- c) What factors have favoured Mombasa as a natural harbour?
- d) Describe the hinterland of the port of Mombasa.
- e) Describe the cargo handling capacity of the port?
- f) Describe the various activities carried out at the port of Mombasa.
- g) Describe the Inland Container Depots (ICDs) – “Dry Ports” of Mombasa.
- h) What measures have been taken to enhance efficiency in bid to improve customer satisfaction at the port of Mombasa?
- i) What problems are faced at the port?
- j) How are the problems of the port being solved?
- k) Describe the nature of maritime traffic handled by the port.
- l) Describe the nature of containerization at the port of Mombasa.
- m) Mention the main types of goods handled by the port.
- n) Explain what is meant by the following features at the port
 - i) Dock
 - ii) Dry dock
 - iii) Quays
 - iv) Berths
 - v) Wharves
- o) What are the future plans of the port?
- p) Compare the Mombasa port with the port of New York and Rotterdam.

COASTAL GEOMORPHOLOGY

FEATURES OF WAVE ACTION

- a) Explain what are meant by waves?
- b) In what ways are waves generated.
- c) Explain what is meant by the following:
 - i) Wave crest
 - ii) Wave trough

- iii) Wave height
 - iv) Wave length
 - v) Wave amplitude
 - vi) Wave frequency
 - vii) Wave velocity
- d) Explain what is meant by swash and backwash during the breaking of waves.
 - e) Explain the processes of waves erosion.
 - f) What factors influence the rate of wave erosion.
 - g) With reference to specific examples identify the features of wave erosion along the coast of Mombasa or Malindi.
 - h) Explain the following wave transportation processes.
 - i) Long shore drifting.
 - ii) Beach drifting.
 - i) With reference to specific examples identify the main wave depositional features along the coast of Mombasa or Malindi.
 - j) Explain the importance of the features resulting from wave erosion and deposition.

FEATURES OF SEA LEVEL CHANGES

- a) Distinguish between marine regression and Marine transgression.
- b) Explain the causes of sea level or base level changes.
- c) Identify the main features resulting from sea level changes i.e.
 - i) Features of Emergence.
 - ii) Features of Submergence.

CORAL COASTS

- a) What is meant by a coral polyp?
- b) Describe the conditions necessary for the growth of corals.
- c) Describe the process in the formation of coral rocks.
- d) What are coral reefs?

- e) With reference to specific examples identify the types of coral reefs along the East African coast.
- f) Explain the theories that have been propounded in an attempt to explain the evolution of coral reefs.
- g) Explain the importance of coral reefs in Mombasa.

KENYA PETROLEUM REFINERIES LIMITED (K.P.R.L) – MOMBASA.

- a) Locate the K.P.R.L plant in Mombasa.
- b) Describe the ownership of the K.P.R.L.
- c) What is the main activity or role of K.P.R.L?
- d) Give brief a historical background of the petroleum refinery.
- e) What are the types of suppliers of crude petroleum for the K.P.R.L?
- f) What are the products (output) of the oil refinery
- g) State the concise meaning of the following:
 - i) Hydrocarbon.
 - ii) Petroleum.
 - iii) Oil.
- h) Describe the process of fractional distillation used to refine petroleum i.e. With special reference to the following:
 - i) Atmospheric distillation.
 - ii) Vacuum distillation.
 - iii) Pressure distillation.
 - iv) Hydro treating distillation etc.
- i) What precautionary measures have been instituted to avoid accidents?
- j) What factors have influenced the location of the refinery?
- k) What have been the benefits of the refinery and its influence to the surrounding areas?
- l) How are the products transported to the market areas?
- m) What problems are faced by the refinery?
- n) What is being done to minimize the general problems of the refinery?
- o) What are the prospects of the refinery?