

SECTION A (25 marks)

Answer all the questions in this section.

- 1 (a) What is *Geography*? (2 marks)
- (b) Give three ways in which Geography is related to Mathematics. (3 marks)
- 2 State five factors that have led to the decline of natural grasslands in Kenya. (5 marks)
- 3 A Form 1 class visited a weather station. While there, one of the students asked for the importance of the Stevenson screen. Give four responses that the weather station personnel gave. (4 marks)
- 4 (a) Give the two types of ocean movements. (2 marks)
- (b) State four causes of pollution in the Indian Ocean. (4 marks)
- 5 (a) Name two types of deserts by the nature of their surfaces. (2 marks)
- (b) Give three features associated with inland drainage basins in arid areas. (3 marks)

SECTION B (75 marks)

Answer question 6 and any other two questions from this section.

- 6 Study the map of Tambach 1:50,000 (Sheet 90/3) provided and answer the following questions.
 - (a) (i) What is the bearing of Air Photo Principal point at grid square 0180 from the trigonometrical station 90S5 at grid square 0475. (2 marks)
 - (ii) Identify two physical features found in grid square 9581. (2 marks)
 - (iii) Calculate the area of the planted forest at Kapchemutwa. Give your answer in square kilometres. (2 marks)
 - (iv) Name three types of vegetation found in the area west of Easting 88. (3 marks)



- (b) Using a scale of 1 cm to represent 40 metres, draw a cross section from grid reference 830650 to 910650. (3 marks)

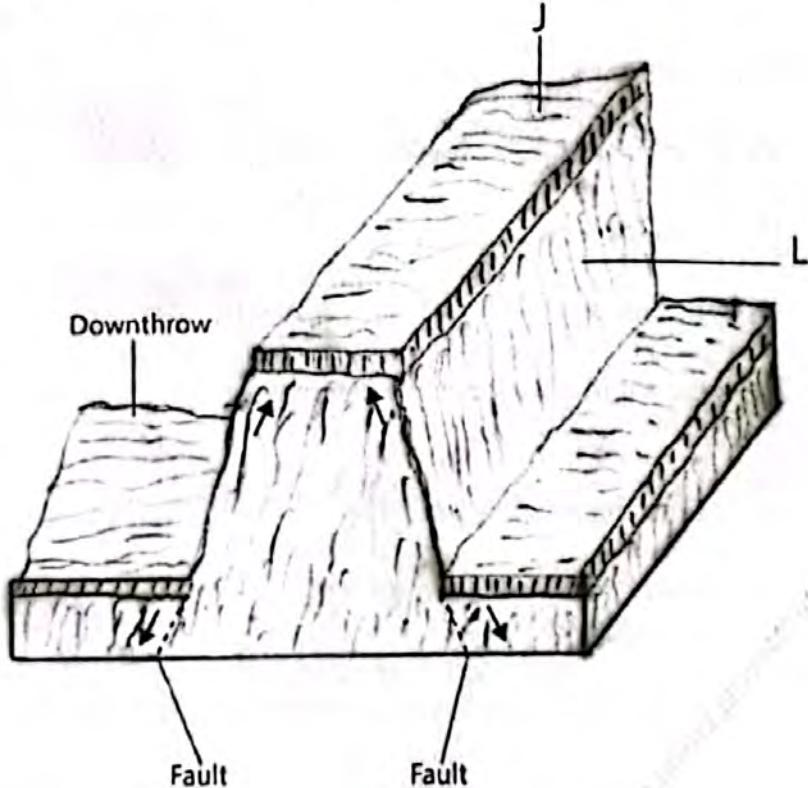
On it mark and name the following:

- (i) dry weather road; (1 mark)
- (ii) gentle slope; (1 mark)
- (iii) seasonal swamp; (1 mark)
- (iv) River Kerio. (1 mark)

- (c) Explain how relief has influenced the distribution of settlement in the area covered by the map. (6 marks)

- (d) Citing evidence from the map, give three economic activities carried out in the area covered by the map. (3 marks)

- 7 The diagram below represents features formed through faulting. Use it to answer question (a)(i) and (ii).



- (a) (i) Name the feature marked L. (1 mark)
- (ii) Describe how the feature marked J is formed. (5 marks)
- (b) (i) Give the four sections of the Great Rift Valley. (4 marks)
- (ii) Describe three physical characteristics of the Great Rift Valley. (3 marks)



- (c) (i) Apart from a parasitic cone, give five other volcanic features found in the Rift Valley. (5 marks)
- (ii) With the aid of a well labelled diagram, describe how a parasitic cone is formed. (7 marks)
- 8 (a) (i) What is meant by the term *weathering*? (2 marks)
- (ii) Explain four ways in which water influences weathering. (8 marks)
- (b) Explain the significance of weathering on human activities. (6 marks)
- (c) (i) Give two types of mudflows. (2 marks)
- (ii) State four factors that influence the occurrence of mudflow. (4 marks)
- (d) State three measures that would be taken to control the effects of landslides. (3 marks)
- 9 (a) (i) Give two sources of rivers. (2 marks)
- (ii) Describe each of the following river drainage patterns:
- (I) trellis; (3 marks)
- (II) dendritic. (3 marks)
- (b) (i) With the aid of a well labelled diagram, describe how a natural levee is formed. (6 marks)
- (ii) State four characteristics of a river in the middle stage. (4 marks)
- (c) You intend to carry out a field study on features found in the youthful stage of a river within the school vicinity.
- (i) State four ways in which you would prepare for the study. (4 marks)
- (ii) Give three methods you would use to collect information during the study. (3 marks)

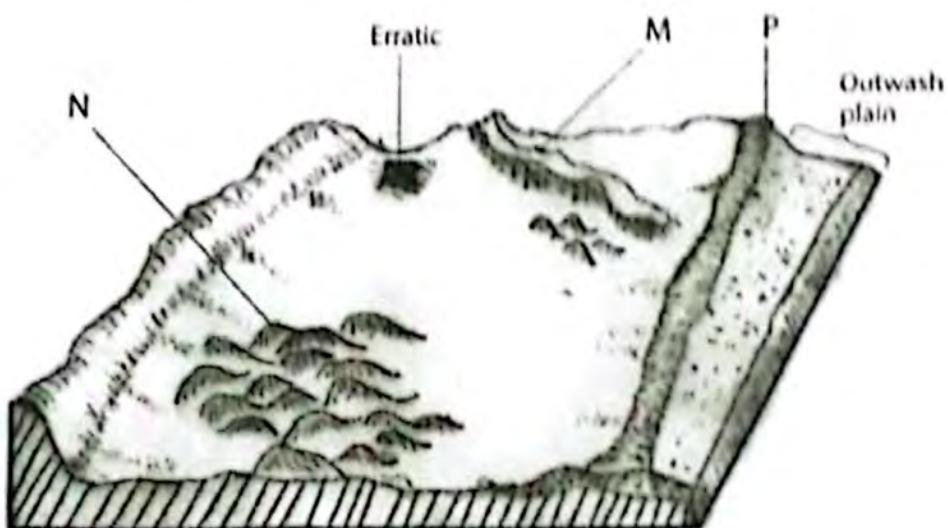
(Question 1)

(Question 2)

(Question 3)

Kenya Rift Valley

- 10 (a) Outline how the process of plucking takes place. (4 marks)
- (b) Describe how a hanging valley is formed. (6 marks)
- (c) The diagram below represents features resulting from glacial deposition in a lowland area. Use it to answer question (c)(i) and (ii).



- (i) Name the features marked:
- (I) M (1 mark)
- (II) N (1 mark)
- (ii) Describe how the feature marked P is formed. (5 marks)
- (d) (i) What is meant by the term *ice sheet*? (2 marks)
- (ii) Explain three positive effects of features of glaciated uplands to human activities. (6 marks)