

## MAP WORK

1. Study the map of Taita Hills (1:50,000) sheet 189/4 provided and answer the following questions
  - (a)
    - (i) What is the bearing of the peak of Mwatunga hill in grid square 3214 from the water tank in grid square 2619? (2mks)
    - (ii) What is the length in kilometers of the section of the Mwatate – Voi railway line in the south – eastern part of the map? (2mks)
  - (b) Draw a rectangle measuring 16cm by 12 cm to represents the area enclosed by the Eastings 24 and 40 and Northings 20 and 30 ( 1 mk)

On the rectangle, mark and name the following features:

    - a. Mgange hills ( 1 mk)
    - b. A rock out crop ( 1 mk)
    - c. All weather road, bound surface ( 1 mk)
    - d. River Ruhia ( 1 mk)
    - e. Ronge forest ( 1 mk)
  - (c) Using evidence from the map, explain three factors that have favoured the establishment of the Teita sisal Estates in the Southern part of the area covered by the map ( 6 mks)
2. Study the map of Nyahururu, 1: 50,000 (sheet 105/4) provided and answer the following questions
  - (a)
    - (i) Give the six figure grid of the junction where the road to

Ndaragwa (D 388) meets with the road to Nyeri & Nanyuki (B5)

(2mks)

(ii) Calculate the bearing of point X from point Y (2mks)

(iii) Name three physical features found along the line XY (3mks)

(b) (i) Draw a square 12 cm by 12 cm to represent the area enclosed by the Easting 10 and northing 10 to the North-eastern part of the map (1mk)

(ii) On the square, mark and label

- The main river (1mk)
- All weather loose surface road (1mk)
- A forest (1mk)

(c) Citing evidence from the map, explain two

i. Physical factors that may have influenced the location of Nyahururu town

(4mks)

ii. Factors that favour saw milling in the area covered by the map

(4mks)

3. Study the map of Taita Hills (150: 50,000 sheet 189\4) to answer the following questions.

a) What is the approximate height of the hill at the grid square 3926. (2mks)

b) Measure the length of all weather 6 to roads (bound surface) from Wundanyi to southern edge of the area covered by the map. (2mks)

- c) Citing evidence from the map describe the relief of the area shown. (5mks)
  - d) State differences between a map and a plan. (2mks)
  - e) Explain two importance of scale in maps. (2mks)
4. Study the map of Kisumu East (1:50,000) and answer the following questions.
- (a) (i) What is the bearing of the trigonometrical station at grid reference 081980 from the rock antelope at grid reference 071992. (2mks)
  - (ii) Measure the length of the all weather road (bound surface) 1321, from the junction at grid reference 974911 to the edge of the map, grid reference 947967. (2mks)
  - (b) (i) Describe the relief of the area covered by the map.
  - (ii) Explain how relief has influenced the settlement in the area covered by the map. (8mks)
  - (c) Citing evidence give three economic activities carried out in the area covered by the map.
  - (d) Students from the school at Masago (grid square 0681) carried out field study of the course of river Ombeyi.
    - (i) State three findings they are likely to have come up with. (3mks)
    - (ii) Give three advantages of studying rivers through field work