NAME	INDEX NUMBER
SCHOOL	DATE

MAPS AND MAP WORK

1. 1996 O 1	
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1. 1770 (<i>1</i>	

Study the map of Ithanga (1:50,000 sheet 135/4) provided and answer the following questions.

a) i)	Give a six – figured grid reference for the trigonometrical station to the south – east of the area covered by the map	(1 mark)
ii)	What is the bearing of the school at Kamwiendei village from the church Riakanau?	ı at
iii)	Measure the length of the dry weather road (E 625), from the junction at shops to where it ends at Riakanau village. Give your answer in kilometer	
iv)	Calculate the area of Tebere B in the northern part of the map. Give your in square kilometers	answer (2 marks)

- b) Student from one of the schools in the area covered by the map carried out a field study on the physical features and economical activities found in the area.
 - i) Name two types of natural vegetation they are likely to have identified (2 marks)

	ii) Citing evidence from the map, name three economic activities the students at likely to have identified during their study (3 m	re narks)
	ii) Citing evidence from map, name two methods the students are likely to have use	
		narks)
c)	Describe the drainage of the area covered by the map. (4 m	narks)
d)	Describe the distribution of settlements in the area covered by the map (3 m	arks)
e)	Draw a rectangle 15cm by 10cm to represent the area west of Easting 20 and south contribing 00. On the rectangle, mark and name: i) The provincial boundary	 of
	ii) Ithanga hills iii) The sisal plantation to the south west of the area (4 m	narks)

	by the map provided (Kericho 1:50,000 sheet 117/4) and answer the tions.	following
) What feature is found at grid reference 691700?	(2 marks)
,.		(2 1)
(1	i) Name two man-made features found in Grid square 6269.	(2 marks)
(iii)		
	Kipchimchim (grid reference 530640) to the junction with all we grid square 5863, Give your answer in kilometers	eather road in the (2 marks)
	grid square 3003, Give your answer in knometers	(2 marks)
h) Haina	a saala of lam to represent 50m. draw a gross section form grid ref	oranga 570670 ta
	a scale of 1cm to represent 50m, draw a cross-section form grid reference 620670 and name the following:	Hence 3/00/0 to
	(i) A river	
`	ii) A motorable track	(6 1)
(ii) Houses	(6 marks)

c)	Describe the drainage of the area to the northwest of the Kericho-Lumbwa all weather road. Cite examples of the drainage patterns identified. (6 marks)
d)	Apart from the forests, name two other types of vegetation found in the area covered by the map. (2 marks)
e)	Students of a school in Kericho used the map of Kericho to prepare for a field study on tea growing in the area.
	i) Citing evidence from the map, state three conditions that favour tea growing in the area. (3 marks)
	(ii) State three methods the students may have used to collect information during their study. (3 marks)

. , , , ,	Study the map of Mariakani (1:50,000 sheet 197/4) provided and answer the follow questions a) (i) What type of map is Mariakani sheet?
	(ii) From the marginal information, identify the two districts covered by the marginal information (iii) From the marginal information (ii
	(iii) Calculate the area of Mavirivirini sub- location. Give your answer in square kilometers.
ł	b) Citing evidence from the map, explain three factors that favour cattle rearing in Mariakani area.
(c	c) Citing evidence, state three functions of Samburu town

	(i)	State four problems they are likely to encounter in administering questionnaires
		to residents of the area.
	(ii)	Measure the length of a water pipeline proposed by the students from existing
		line at grid reference 303796 to Mwandoni settlement at grid reference 325720. Give your answer in Kilometers.
	(iii)	Calculate the vertical rise (amplitude of relief) of the proposed pipeline.
۱.	Study questic (a) from	the map provided. (Yimbo 1:50,000 sheet 115/1) and answer the following
	пош	the trigonometrical station in the grid square 2778?

	(ii) Give the latitudinal extent of the area covered by the map
(b)	Draw square 15 cm x 15 cm to represent the area bounded by the Easting 12 and 20 and the Northings 90 and 99 In the square you have drawn, mark and label (i) Busia District
	(ii) Lake Sare (iii) All weather loose surface road
(c)	Name two features shown on the map that indicate that the area receives low rainfall.
(d)	Citing evidence from the map, state three economical activities carried out in the area covered by the map.
(e)	Describe the relief of the area covered by the map

5.	2000 Q 6.	
•		the map of Mathioya 1: 50,000 provided and answer the following questions
		(a) (i) What is the bearing of the cattle dip at grid reference 716386 form the coffee factory at grid reference 740377?
	(ii)	Give the approximate height of Kigoini dam
		(iii) Measure the length of the district boundary in the Aberdare forest from Western margin of the map to the eastern edge of the forest (Give your answer in kilometers)
	(b) Descri	be the drainage of the area covered by the map

Referen (i)	sketch section along northing 42 from grid reference 720420 to grid ce 760420 on the section mark and name A road A forest A river
(d) Describe	the distribution of settlements in the area covered by the map
	g evidence from the map, give two reasons why the area covered by the is suitable for coffee growing
	t from agriculture, name two other economic activities carried out in the covered by the map
2001 Q 6a-d	

6.

- (a) Study the map of Kijabe 1: 50,000 provided and answer the following questions:
 - (i) What is the appropriate height of the top of Kijabe hill?

	sure the length of Nairobi – Naivasha railway line from landhies (g
	rence 257978) to the level crossing near Kijabe station (grid refer
3089	84). Give your answer in kilometers.
What reli	ef feature on the map may have created problems in the construction
the railwa	y line?
Describe	the drainage of the area covered by the map
	ow relief has influenced the distribution of settlement in the area
	ow relief has influenced the distribution of settlement in the area y the map.
covered b	

7.	20		Q 6a - Stud		nu East (1:50000) provided and answer the following questions.
			i)		ng of the trigonmetrical station at Grid reference 081980 from at grid reference 071992.
			ii)	Measure the lengt	h of the all – weather road (bound surface) b2 /1 from the
					ference 947911 to the edge of the Map, grid reference ar answer in kilometers)
			iii)	On a rectangle, m	ark and name:
	b)	i)		Describe the relie	f of the area covered by the map.
		ii)		Explain how relie	f has experienced settlement in the area covered by the map.
	c)		_		map, give three economic activities carried out in the area than crop growing.
			Eco	nomic Activities	Evidence
			Qua	rrying	
			Pro	cessing	
			Trar	sportation	

8. 2003 Q 6

Study the map of Menu (1: 50,000, sheet 108/3) provided and answer the following questions

a) i) What is the height of Njorivola hill at grid square 4117

.....

ii) Give two methods used in representing religion the map extract

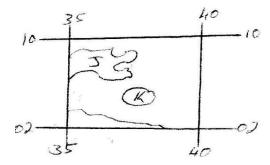
.....

iii) Measure the bearing of the peak of Kanjai hill form the peak of Kieru hill to the north east of the map extract.

.....

- b) Citing evidence from the map, explain:
 - (i) Two factors trading in the area covered by the map

c) The rectangle (in the question paper) represents the area in the map extract bounded by Easting 35 and 40 and Northing and Northing 02 and 10. Use it to answer the questions that follow.



Identify the name the features marked;

- J-
- K-
- L-

		(i)	Measure the length of the road they followed from the junction reference 442128 to the junction at Gitoro, grid reference 478	_
		(ii)	Apart from the forest, name two other types of natural vegeta observed along the route	ution they
		(iii) S	State two methods they may have used to collect data while at t	he sawmill
		iv) St	tate three follow- up activities they may have been involved in a study.	after the field
9. 2	004 Q 6a- Study t questic	the ma	ap of Kipkabus (1:50,000, sheet 104/4 provided and answer the Give the latitude and longitude of the South west corner of the	_
		(ii)	What is the area of Tingwa Hill Forest?	(2 marks)
	b)	(i) N	ame the planted vegetation in the area covered by the map	(1 mark)
			Explain how relief and human activities have influenced the distribution in the area covered by the map	
		11	iaturar vegetation in the area covered by the map	(4 marks)

	c)	i) Using a vertical scale of 1 cm to represent 100 meters draw a cross s	ection
		along the line marked X-Y	(5 marks)
		ii) On the cross section mark and label the following:-	
		A steep slope	
		A hill	
		A col	
		A river valley	(4 marks)
		iii) Calculate the vertical exaggeration of the cross section	(2 marks)
10.	-	e map of SILALONI (1:50,000) provided and answer the following que (i) Convert the ratio scale of the map extract into a statement scale	estions (1 mark)
		(ii) Give the six – figure grid reference of the point where the power letter the Samburu – Silaloni dry weather road	
		(iii) Give three types of natural vegetation shown in the area covered by	

)	(i) Identify two sources of water in the area covered by the map	(2 marl
	(ii) Using evidence from the map, suggest four functions of Tsangatsini township.	(4 mark
	Using a vertical scale of 1 cm to represent 20m: (i) Draw a cross section from grid reference 400915 to 500915	(3 mar
	(ii) On the cross section, mark and name the following:	
	(ii) On the cross section, mark and name the following:♦ A river♦ A road	

		••••••••••••			
questic	the map of Nyahururu, 1: 50,000 (sheet 105/4) provided and answer the following				
(a)	(i) Give the six figure grid of the junction where the road to Ndaragy meets with the road to Nyeri & Nanyuki (B5)	va (D 388) (2 marks)			
(ii)	Calculate the bearing of point X from point Y	(2 marks)			
(iii)	Name three physical features found along the line XY	(3 marks)			
(b)	(i) Draw a square 12 cm by 12 cm to represent the area enclosed by 10 and northing 10 to the North- eastern part of the map	the Easting (1 mark)			
	 (ii) On the square, mark and label The main river All weather loose surface road A forest 	(1 mark) (1 mark) (1 mark)			
	Study question (a) (iii) (b)	Study the map of Nyahururu, 1: 50,000 (sheet 105/4) provided and answer questions (a) (i) Give the six figure grid of the junction where the road to Ndaragy meets with the road to Nyeri & Nanyuki (B5) (ii) Calculate the bearing of point X from point Y (iii) Name three physical features found along the line XY (b) (i) Draw a square 12 cm by 12 cm to represent the area enclosed by 10 and northing 10 to the North- eastern part of the map (ii) On the square, mark and label (ii) On the square, mark and label The main river			

	(1)	Physical factors that may have influenced Nyahururu town (4 marks)	d the location of
	(ii) Fac	tors that favour saw milling in the area covere	ed by the map (4 marks)
12. 2007 Q 6			
Stud	ly the map of stions	Taita Hills (1:50,000) sheet 189/4 provided and	d answer the following
-	(i) What is t	he bearing of the peak of Mwatunga hill in gri water tank in grid square 2619?	id square 3214 (2 marks)
	(ii) What i	s the length in kilometers of the section of the lin the south – eastern part of the map?	
(b	*	tangle measuring 16cm by 12 cm to represents and 40 and Northings 20 and 30	
	ε	S	`

On the	rectangle, mark and name the following features: Mgange hills A rock out crop All weather road, bound surface River Ruhia Ronge forest	(1 mark) (1 mark) (1 mark) (1 mark) (1 mark)
(c)	Using evidence from the map, explain three factors that have favoured t establishment of the Teita sisal Estates in the Southern part of the area of the map	
(d) (i) I	Describe the distribution of settlement in the area covered by the map	(5 marks)
(ii) Ci	ting evidence from the map, give two economic activities carried out in t	he area
c	covered by the map other than sisal farming	(4 marks)

of budy the map of Kericho 1:50,000 provided and answer the following question i) Give the longitudinal extent of the area covered by the map. ii) Convert the scale of the map into a statement scale.	ons (1 mark) (2 marks)
udy the map of Kericho 1:50,000 provided and answer the following questian i) Give the longitudinal extent of the area covered by the map.	(1 mark)
udy the map of Kericho 1:50,000 provided and answer the following questian i) Give the longitudinal extent of the area covered by the map.	(1 mark)
ii) Convert the scale of the map into a statement scale.	(2 marks)
iii) What is the approximate height of the hill on the grid square 6770?	(2 marks)
iv) Calculate the area of Kericho municipality. Give your answer in square	e km. (2 marks)
Give three types of natural vegetation found to the west of easting 53.	(3 marks)
What is the bearing of the trigonometrical station at grid reference 554668 f	rom the
	iv) Calculate the area of Kericho municipality. Give your answer in square

	iii) Identif eastin	y three forms of lan g 53?	d transport four	nd to the north of	northing 68 and	l west of (3 marks)
c)	Describe t	he distribution of se	ettlements in the	area covered by	the map.	(4 marks)
d)	_	dence from the map	=	actors that favou	r the establishm	ent of tea (6 marks)
14. 200		map of Belgut 1:500	000 sheet (117/3	3) provided and a	nswer the follow	ving
		me the three district th-western part of t	-	all-weather road	bound(surface)	in the

(ii) Using the ma map extract v	orginal information, give the magnetic variation of the area when the was drawn.
murumbasi (g	shortest distance along the loose surface road from the junction at grid reference 286548) to the school at Chebirbei (grid reference e your answer in kilometres.
	oproximate height of the papyrus swamp to the north-east of farm I square 3750).
b) Describe the charac	teristics of the long profile of river yurithi.
c) Describe the relief of	of the area covered by the map.

15. 2010 Q 6

Study the map of Homa Bay (1:50,000) sheet 129/2 provided and answer the following

(i) Wh	. ine is to be laid from Lake Victoria along the line marked X-Y. nat is the length of the piping to be used? (Give your answer to the near 00 metres).	est (2
marks)		`
 (ii) Calcu marks)	alate the bearing of point Y from point X	(2
	culate the area of the part of Lake Victoria shown on the map excluding shy sections. (Give your answer in square kilometers).	the (2
(b) The rectar and North marks)	ngle below represents the area in the map extract bounded by Eastings 5 ning's 35 and 40. Identify and name the features marked J, K, L and M.	54 and 60 (4
, and the second	40	
	35	
•••		
	in three factors which have influenced the distribution of settlements in ed by the map.	the area

		•••••
(ii) Cit	ing evidence from the map, give two agricultural activities carried out i	n the area
	vered by the map.	(4
marks)	•	`
		•••••
(d) Describe narks)	the drainage of the area covered by the map.	(5
		•••••
6. 2011 Q 6		
-	the map of Nkubu (1:50000) sheet 122/1 provided and answer the follo	wing
questi		
	give the latitudinal and longitudinal position of the north east corner of t	
e	xtract.	(2 marks)
		•••••
ii) C	Give two methods used to represent relief on the map.	(2 marks)
11)	The the medicus used to represent rener on the map.	(2 marks)

	iii)	What is the relief feature found at the top of Kirui hill within Mt. Kenya	forest? (1 mark)
	iv)	Apart from administration, give three other services that are provided at divisional headquarters.	Nkubu (3 marks)
b) i	/	at is the length in km of the all-weather bound surface road from the bridger works(509935) to the road junction near kitimbi (509995)?	ge at Nkubu (2 marks)
i		e three problems that may be encountered during construction of roads in ered by the map?	the area (3 marks)
c)	Citing area	evidence from the map, give three reasons why cattle rearing is widesprea	nd in Nkubu (6 marks)
d)	Descri	ibe the drainage of the area covered by the map.	(6 marks)

6.	Answer question 6 and any other two questions from this section. Study the map of Kitale 1:50,000 (sheet 75/3) provided and answer the following questions. (a) (i) Identify the two human made features found at the grid square 2320. (2 marks)
	(ii) What is the altitude of the highest point in the area covered by the map? (2 m
	(iii) Give three types of natural vegetation found in the area covered by the map. (3 marks)
(b) (i)	What is the bearing of the Air Photo Principal Point at grid square 3426 from the Air Photo Principal Point at grid square 2931? (2 marks)
(ii)	Measure the distance of the dry weather road (C 640) from the junction at point M (345142) to the junction at point N (416201). Give your answer in Kilometres. (2 marks)

 (ii) On the cross-section, mark and name the following: A dry weather road; River Kaptarit; 	(1 mark)
(1 mark) • a ridge mark)	(1
	(2 marks)
(d) Citing evidence from the map, identify five social services offered in Kitale Municipality.	(5 marks)