PAPER 1

GATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.
FORM 3 GEOGRAPHY END OF TERM 3 EXAMINATION. 2014.
Instructions:
Answer all questions in this paper.
1.Study the map of Migwani 1:50,000 (sheet 151/1 provided answer the following questions.

a(i) Give the longitudinal extent of the area covered by the map. (2mks

ii) What is the magnetic variation of the map? (1mk

iii) Give the six figures grid reference for the junction of the roads D 503 and D 507. (2mks

b(i) Using a vertical scale of 1cm to represent 100 metres draw a cross section along the line marked J – k. (4mks

1

ii)   On it, mark and label the following
➢ Footpath
➢ Road
➢ Water pipeline
➢ Steep slope

iii)   Calculate the vertical exaggeration of the cross section.   (2mks

c)   Citing evidence from the map, give three economic activities carried in the area covered
by the map.   (6mks

d)   Explain how relief has influenced the distribution of settlements in the area covered by
the map.   (4mks

2

2. The table below shows values of output in transport and communication between 2007 and 2011 in ksh. Millions.

	2007	2008	2009	2010	2011
Road	16,400	17,432	20,436	24,659	35,267
Railway	3,092	5,305	5,852	5,920	5,036
Marine	7,580	7,331	8,099	9,367	9,650
Air	14,020	20,192	23,026	25,920	26,522
Services related	4,026	3,172	3,840	4,184	5,020
Pipelines	5,282	5,628	6,101	6,362	8,886
Communication	22,014	24,028	25,760	40,591	52,060
TOTAL	72,414	83,088	93,114	117,003	140,441

a(i) Use the table above to draw a proportional divided circle. (8mks

ii)Give two advantages and two disadvantages of divided circle. (4mks

3

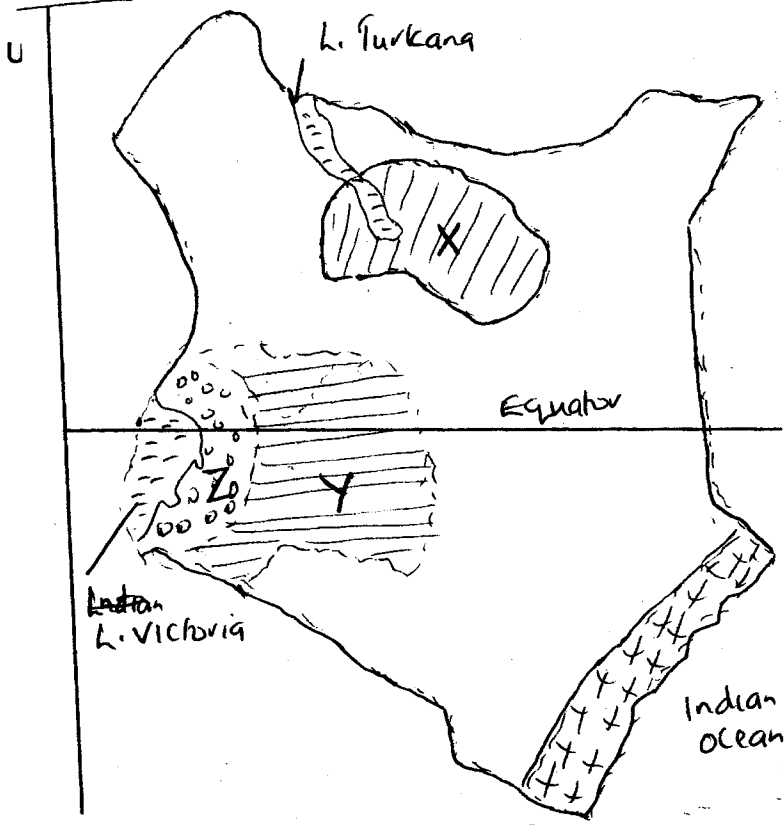b)   The table below shows number of births in a certain county.

Name of district	No. of births
X	210
Y	180
Z	314
H	106
J	130
P	60
TOTAL	1000
	========

i) Draw a simple divided rectangle measuring 15cm long showing the number of births. Clearly show the key.   (8mks

ii)   Give three advantages and two disadvantages of using divided rectangle to represent data.   (5mks

4

(3) Use the map below to answer questions below

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a(i)   Name the climatic regions marked X and Y   (2mks

X

Y

ii)   State three characteristics of the climatic region marked Z.   (3mks

b)   Explain how each of the following factors influence climate
i)   Altitude   (4mks

5

ii)   Ocean currents.   (4mks

c)   What are te negative effects of climate change on physical environment? (6mks

d)   Students visited a weather station to study recording of weather elements.

i)   State three qualities in the construction of a Stevenson screen they would have observed during the study.   (3mks

6

ii)   Identify three types of data they are likely to have collected during the study.   (3mks

4a(i)   Name two mountains in East Africa that are ice capped.   (2mks

ii)   Identify three ways in which ice moves   (3mks

b)   Describe the formation of the following glacial features.
i)Hanging valleys   (6mks

ii)   Pyramidal peaks   (6mks

7

c)   You are required to carry out a field study on the erosional features in glaciated lowland area.

i)   Give two reasons why you would require a waking schedule.   (2mks

ii)   Name three erosional features you are likely to observe during the field study.   (3mks

iii)   Give three follow up activities you would undertake after the field study.   (3mks