

GATUNDU FORM 4 EVALUATION EXAM

312/1

GEOGRAPHY

PAPER I

JULY/AUGUST 2015

TIME: 2 ½ HOURS

SECTION A; Answer all the questions

1. a) State any three reasons why we study geography. (3 marks)
b) Give three forces that are responsible for the spherical shape of the earth. (3 marks)
2. a) State the effect of crossing the international dateline from West to East. (2 marks)
b) Explain the three reasons why the interior of the earth is believed to be still hot. (3 marks)
3. a) State two factors that are considered in locating a weather station. (2 marks)
b) Give any three qualities of a Stevenson screen. (3 marks)
4. a) Differentiate between river rejuvenation and river capture. (2 marks)
b) Highlight any three conditions necessary for river capture to occur. (3 marks)
5. a) Outline any four differences between volcanic/extrusive and plutonic/intrusive rocks.

SECTION B

Answer question 6 and any other two questions.

6. Study the Migwani map sheet 151/1 scale 1:50,000 and use it to answer the questions.
 - a) (i) Give the six figure grid references of Kauma dam to the south west of the map extract. (2 marks)
ii) Measure the approximate distance of all weather loose surface road to the north west of the map. (2 marks)
iii) Identify two ways of relief representation on map. (2 marks)
 - b) i) Measure the bearing of Kyawea trigometrical station (922643) from Kagondi School 905701. (2 marks)
ii) Calculate the area enclosed by all weather loose surface road to the North west of the map extract. (2 marks)

iii) Draw a square 15cm by 15cm to represent a section of the map enclosed by easting 00 and northing 70. On it mark and name the following features;

- a) Mboni dam
- b) Dry weather road
- c) Iko shops
- d) River iko
- e) Escarpment

(5 marks)

c. (i) Citing evidence from the map, state any three services offered at Mbito Ndoa. (3 marks)

(ii) Identify two types of vegetation found along northing 68. (2 marks)

(iii) Describe the drainage of the area covered by the map. (5 marks)

7. (a) (i) Define the term drainage basin. (2 marks)

(ii) Mention any three types of river erosion. (3 marks)

(iii) Describe the process of abrasion in river erosion. (3 marks)

(iv) State and explain the four processes in which the river transports its load. (8 marks)

Students of Kambi were to carry out a field study of a river in an area.

b) (i) State any three reasons why they needed a route map of the area. (3 marks)

(ii) Give two features that they may have observed and studied. (2 marks)

(iii) State any two problems that they may have observed and studied. (2 marks)

(iv) Mention any two follow up activities that they could have taken. (2 marks)

8. a) (i) Define the term faulting (2 marks)

(ii) Mention three types of features associated with faulting. (3 marks)

(iii) With the help of a diagram explain the formation of the rift valley through the tension process. Supposing you were to carry out a field study on the Rift Valley. (7 marks)

b) (i) State any two objectives of the study. (2 marks)

(ii) State three importance of studying faulting through field work. (3 marks)

(iii) Explain the significance of faulting to human activities. (8 marks)

9. (a)(i) What is a rock? (2 marks)
- (ii) State two reasons why sedimentary rocks are wide spread in the coastal plain. (2 marks)
- b) (i) State four changes that may occur in sedimentary rocks when they are subjected to intense heat and pressure. (4 marks)
- (ii) Describe three processes through which sedimentary rocks change into metamorphic rocks. (6 marks)
- c) Describe how coral rocks are formed. (5 marks)
- d) Suppose you were to carry out a field study of rocks within your school vicinity.
- i) Name three secondary sources of information you would use to prepare for the field study. (3 marks)
- ii) State three activities you would carry out during the field study. (3 marks)
10. (a) (i) Differentiate between a spring and a well (2 marks)
- (ii) State four conditions favouring formation of artesian well. (4 marks)
- b.(i) What is a Karst scenery? (2 marks)
- (ii) Name five features formed on the surface in a Karst area. (5 marks)
- c. With the aid of well labeled diagrams describe how a limestone pillar is formed. (6 marks)
- d) Explain the significance of Karst scenery to human economic activities. (6 marks)

GATUNDU FORM 4 EVALUATION EXAM

312/2

GEOGRAPHY

PAPER II

QUESTION

SECTION A

Answer all questions in section A.

- 1 a) Define the fisheries (2mrks)
b) State three ways in which marine fisheries in Kenya can be conserved (3mrks)
- 2a) State four factors that influence development of industries in Kenya (4mrks)
b) Identify three factors that favored the location of cement processing plant Athi River near Nairobi (3mrks)
- 3 a) State three factors that favor the growth of forest on Mt Kenya (3mrks)
b) Name two types of indigenous hard wood trees found in Kenyan forests. (2mrks)
- 4 a) State three main functions of rural settlements. (2mrks)
b) List three factors that led to the location of Mombasa as a city and port . (3mrks)
- 5 List three forms of telecommunication services in Kenya (3mrrks)

SECTION B

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

6. Use the table below showing the number of tourists who visited Tanzania between the year 2010 and 2013

Origin/year	2010	2011	2012	2013
KENYA	100,000	80,000	60,000	40,000
SPAIN	80,000	50,000	45,000	45,000
ITALY	70,000	40,000	35,000	30,000

--	--	--	--	--

- Q6 (a) (i) Using a scale of 1cm to represent 20,000 tourists, draw a cumulative compound bar graph to represent this data (8mrks)
- (ii) Find out the number of tourists who visited Tanzania in the year 2011 (2mrks)
- b) State three advantages of the technique used in (a) above (3mrks)
- c) Differentiate between a national park and a game reserve (4mrks)
- d) (i) Explain the significance of tourism to Tanzania (5mrks)
(ii) Name three main tourist attraction in Kenya (3mrks)
- 7a) (i) State three levels of monetary trade (3mrks)
(ii) Outline four factors that influence trade (4mrks)
- b) Explain three ways in which trade is of significance to Kenya's economy (6mrks)
- c) (i) Outline form roles played by the common market for eastern and southern Africa in the economy of its member state. (4mrks)
(ii) Identify four problems facing regional trading block in Africa (4mrks)
- d) Explain the meaning of the following terms .
(i) Balance of trade (2mrks)
(ii) Invisible trade (2mrks)
- Q8a (i) Name two diseases that affect sugarcane (2mrks)
ii) Name two main pests that affect sugarcane crop (2mrks)
- b) Give four ways in which sugar is used (4mrks)
- c) Give four physical conditions that favour sugar cane growing (8mrks)
- d) Describe the steps involved in sugar processing after the cane is harvested (9mrks)

- 9a) Define the term wildlife (2mrks)
- b) Explain four physical factors that influences the distribution of wildlife in east Africa (8mrks)
- c) What are the problems facing wildlife in Kenya (8mrks)
- d) Student of Karatu high school intend to visit a National park near their school
- i) Outline the objectives for the visit (4mrks)
 - ii) Indentify the methods they could use to collect the data (3mrks)
- 10 (a) (i) define the term forest (2mrks)
- (ii) Describe the characteristic of tropical hardwood forest (8mrks)
- b) Explain four major factors that influences the distribution and types of forest (8mrks)
- c) Discuss softwood forest in Kenya and Canada under the following subheadings.
- (i) Tree species (2mrks)
 - (ii) Marketing (2mrks)
- d) Student of Gakoye high school carried out a study in a local forest .What problem are they likely to experience (3mrks)