

FORM FOUR CLUSTER KCSE MODEL8

GEOGRAPHY PAPER 1 QUESTIONS

SECTION A (30 Marks)

1. a) List the two main branches of Geography. (2marks)
b) State three effects of the rotation of the earth. (3marks)
2. a) Distinguish between an Isoseisma and an Isobar. (2marks)
b) Time at town X on longitude 300E is 9.00AM. Find the time at town Y on longitude 600E. (2marks)
3. a) State the theory of Isostasy. (2marks)
b) Give three significance of plate tectonics. (3marks)
4. a) State how the “wrong latitude” evidence proves the occurrence of continental drift. (3marks)
b) Outline three proofs that the earth is spherical (3marks)
5. a) i) Define the term ‘a lake’. (1 mark)
ii) Give two examples of glacial lakes. (2marks)
b) State two benefits of lakes formed due to human activities. (2marks)

SECTION B (70 Marks)

6. Study the map of BUSIA: 1:50,000, provided and answer the questions that follow.
 - a) i) Give two scale expressions on the map provided. (2marks)
ii) Besides contours and form lines, list two methods used to represent relief on the map provided. (2marks)
iii) Identify two man-made features in grid square 2742. (2marks)
b) i) Measure the distance of road C529 c) in km. (2marks)
ii) Identify any two longitudes on the map provided. (2marks)
d) i) Using a vertical scale of 1cm to 100m draw a cross section from 230320 to 290320. (5marks)
ii) On it mark and name.
 - ☐ Samia Hill (1 mark)
 - ☐ Motorable track. (1 mark)
 - ☐ A river (1 mark)
e) Describe the drainage of the area covered by the map. (3marks)
f) Citing evidence from the map. State two economic activities in the area covered by the map. (4marks)
7. a) Illustrate a rock-cycle. (5marks)
b) i) Give three differences between sedimentary and igneous rocks. (3marks)
ii) List two examples of sedimentary rocks. (2marks)
c) Describe how volcanic rocks are formed. (7marks)

- d) Explain the contributions of rocks to man in Kenya. (8marks)
8. a) i) Define vulcanicity. (2marks)
- ii) List three sources of heat for the melting of rocks into magma. (3marks)
- b) i) Give the other name for a simple composite volcano. (1 mark)
- ii) State three characteristics of a simple composite volcano. (3marks)
- c) Describe how Mount Kenya was formed. (8marks)
- d) Your class intends to carry out a field study on significance of vulcanicity in Kenya.
- i) Prepare a work schedule to be used during the actual field study. (4marks)
- ii) State two advantages of using a work schedule during the field study. (2marks)
- iii) Give two significance of vulcanicity likely to be identified during the study. (2marks)
9. a) i) What is meant by "The Hydrological cycle?" (1 mark)
- ii) Illustrate the hydrological cycle. (5marks)
- iii) Define any two output processes in the hydrological cycle. (4marks)
- b) i) What is river capture? (2marks)
- ii) State three conditions necessary for river capture to occur. (3marks)
- iii) Using illustrations, describe how river capture occurs. (6marks)
- c) State four positive significance of rivers to man. (4marks)
10. a) i) Name two processes through which wind transports its load. (2marks)
- ii) Explain two ways through which wind erodes the earth's surface. (4marks)
- b) With aid of illustrations, describe how a rock pedestal is formed. (8marks)
- c) State five significance of Arid scenery (Desert land forms). (5marks)
- d) You carried out a field study on Arid vegetation.
- i) Set two objectives for your study. (2marks)
- ii) State two ways in which the Arid vegetation is adapted to Arid conditions. (4marks)