

**ALLIANCE HIGH SCHOOL
END OF TERM 1 2016
FORM 3 GEOGRAPHY EXAM**

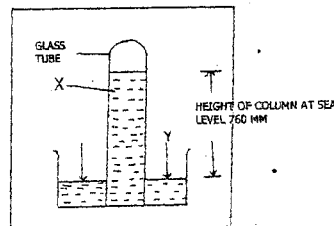
Time: 2½ HOURS

INSTRUCTIONS TO CANDIDATES

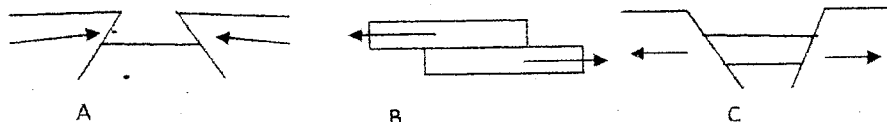
1. This paper has two sections: **A** and **B**. Answer **ALL** questions in both sections
2. All answers must be written in the answer booklet provided.
3. This paper consists of **3** printed pages with questions **1-8dii**.
4. Candidate should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

SECTION A

1. State two characteristics of:
a) inner core. (2mks)
b) stratosphere (2mks)
2. The instrument below is used to measure an element of weather. Study it and answer the questions below.



- a) i) Name the liquid marked X (1mk)
ii) Identify the instrument shown above (1mk)
- b) Differentiate between the following types of precipitation. (2mks)
i) Frost and snow (2mks)
ii) mist and fog
3. a) Name one part of the world which experiences:
i) Laurentian type climate (1mk)
ii) Cool temperate western margin (1mk)
b) State one characteristic of warm temperate continental climate. (1mk)
4. a) How do the following factors influence vegetation distribution? (2mks)
i) Aspect (2mks)
ii) Drainage (3mks)
b) Give three reasons why natural grasslands are declining in Kenya (2mks)
5. a) Apart from Rift Valley, name any two resultant features of faulting (2mks)
b) Name the types of faults resulting from the forces shown below. (3mks)

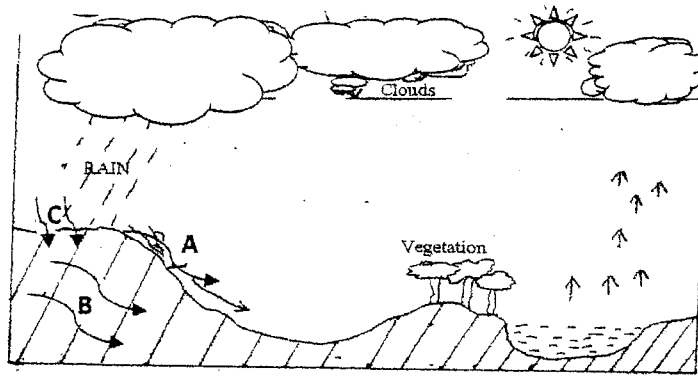


SECTION B

6. Study the map of Busia 1:50,000(sheet 101/1) provided and answer the following questions.

- a. (i) Convert the ratio scale of the map into a statement scale. (2mks)
- (ii) What is the general direction of the flow of river Sio? (1mk)
- (iii) Identify the **two** dominant types of natural vegetation shown in the area covered by the map. (2mks)
- b. Draw a square 10 cm by 10 cm to represent the area to the west of Easting 30 and north of Northing 40. On the square mark and label:
- i. an international boundary;
 - ii. an air photo principal;
 - iii. river Sio;
 - iv. the area above 1200 meters above sea level. (5mks)
- c. Describe the relief of the area covered by the map. (5mks)
- d. (i) Explain how the following factors have influenced the distribution of settlements in the area covered by the map:
- drainage (2mks)
 - transport (2mks)
- (ii) Citing evidence from the map, state **three** functions of Funyula town. (6mks)

- 7a) i Define the term hydrological cycle (2mks)
- ii) The diagram below shows the hydrological cycle. Name the stages marked A,B and C. (3mks)



- iii) Give three significance of the hydrological cycle (3mks)
- b) Define the following terms.
- (i) Confluence (2mks)
- (ii) Watershed (2mks)
- c) List three types of river erosion (3mks)
- d) State three factors influencing river erosion (3mks)
- e) i) Differentiate a waterfall from a rapid (2mks)
- ii) List five ways in which waterfalls are formed (5mks)
8. (a) (i) Differentiate between weathering and mass wasting (2mks)
- (ii) Name three main agents of weathering (3mks)
- (b) Explain three effects of soil creep on the earth's surface (6mks)
- (c) Describe the following weathering processes
- (i) Hydration (3mks)
- (ii) Crystal growth (3mks)
- (i) Carbonation (3mks)
- (d) Students from Alliance high school carried field study on weathering near their school.
- (i) Give three reasons why they carried out a reconnaissance survey (3mks)
- (ii) State two methods they used to record the data collected during field study. (2mks)