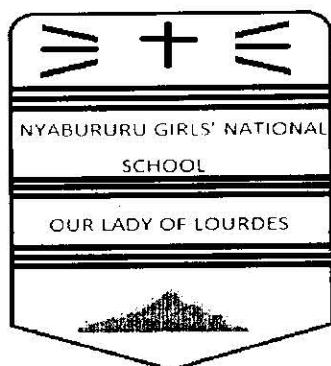


NAME.....ADM NO.....STRM..... Sign.....



**312/1 GEOGRAPHY
PAPER ONE
MARCH SERIES 2016
TIME: 2 ¾ HOURS**

Date done	Time:
Invigilator	
Date returned	
Date revised	

INSTRUCTIONS TO CANDIDATES:-

- This paper consists of *two* sections: section **A** and section **B**.
- Answer *all* questions in section **A**. In section **B** answer question **6** and any other *two* questions.
- All answers *must* be written in the sheets provided.

FOR EXAMINER'S USE ONLY

NO	A	6	7	8	9	10	TOTAL
MARKS							

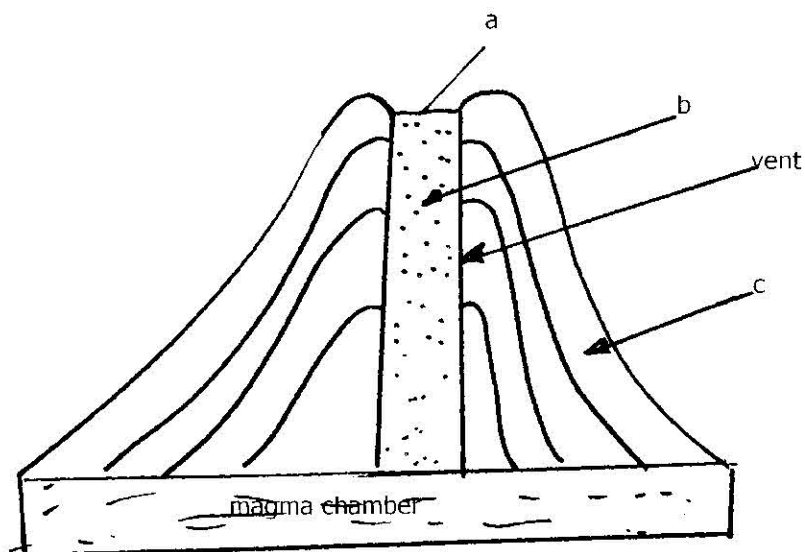
This paper consists of 5 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

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SECTION A

Answer ALL questions in this section

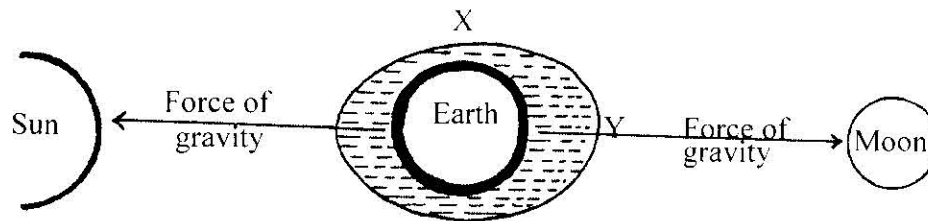
1. (a) Name **three** types of tides. (3mks)
(b) Differentiate between oceans and seas. (2mks)
2. (a) What is river rejuvenation. (2mks)
(b) State **three** negative influence of rivers on the human environment. (3mks)
3. (a) The feature below shows an extrusive land form in a volcanic area. Name the parts labeled a, b, c. (3mks)



- (b) Differentiate between hot springs and geysers. (2mks)
4. (a) State **two** human causes of Earthquakes. (2mks)
(b) Give **two** types of surface waves caused by Earthquakes. (2mks)
(c) List **two** scales used in measuring the intensity and magnitude of Earthquakes. (2mks)

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5. (a) State **three** factors that influence the temperature of ocean water. (3mks)
 (b) The diagram below shows the occurrence of tides. Name the parts marked X and Y. (2mks)



SECTION B

Answer question 6 and any other two questions

6. Study the map provided:(Busia 1:50,000 sheet 101/1) and answer the following questions.
- (a) (i) What is the magnetic declination of the map. (2mks)
 (ii) What is the direction of Bujumba School in grid square 3535 from Ndenyi hill in grid square 3033. (2mks)
- (b) (i) Give **two** features from the map which shows that the area to the north east of the area covered by the map receives low amount of rainfall. (2mks)
 (ii) Name **two** physical features found in grid square 2838. (2mks)
- (c) (i) Reduce by a half the area covered by easting 21 to 29 and northing 28 to 36 (2mks)
 (ii) On the reduced area mark and label the following:-
 - All weather road loose surface
 - Wakhungu river
 - Regional boundary (3mks)
- (d) (i) Describe the drainage of the area covered by the map. (4mks)
 (ii) Citing evidence from the map give **three** economic activities carried out in the area covered by the map. (3mks)
- (e) Students from Odiado school carried out a field study in Odiado market in the area covered by the map.
- (i) What **three** preparations did they make? (3mks)
 (ii) State any null hypothesis for the study. (2mks)

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7. (a) (i) What is a lake? (2mrks)
(ii) State **three** factors that determine the permanency of a lake. (3mrks)
(b) Describe how lake Kanyaboli was formed. (6mrks)
(c) Explain **four** causes of salinity of lake Magadi. (8mrks)
(d) Explain **three** negative effects of lakes on human activities. (6mrks)
8. (a) State **three** types of hot deserts. (3mrks)
(b) Explain **two** process of wind erosion. (4mrks)
(c) Using well labeled diagrams describe how a yardang is formed. (7mrks)
(d) You intend to carry out a field study on desert landforms.
(i) Formulate **two** hypotheses for your study. (2mrks)
(ii) State **three** methods of recording data that you would use. (3mrks)
(e) Explain **three** economic importance of desert landforms to human activities. (6mrks)
9. (a) (i) Name **two** fold mountains in Africa apart from Atlas mountains. (2mks)
(ii) Differentiate between **symmetrical** and **asymmetrical** folds. (2mks)
(iii) Apart from symmetrical and asymmetrical folds, name **two** other types of folds. (2mks)
(b) (i) With the aid of well labeled diagrams explain the formation of **fold** Mountains. (9mks)
(ii) Give **two** examples of fold mountains found in North America. (2mks)
(c) Explain **four** effects of folding to human activities. (8mks)
10. (a) Distinguish between **weather** and **climate**. (2mks)
(b) State **six** characteristics of equatorial climate. (6mks)
(c) Explain how the following factors influence climate:
(i) Ocean currents. (2mks)
(ii) Altitude. (2mks)
(d) Account for **four** ways in which desert vegetation adopt to the climate of their environment. (8mks)

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(e) Form two students from Nyabururu girls went out for a field study on the elements of weather around the school.

(i) Give **three** ways they would record data. (3mks)

(ii) State **two** problems they are likely to experience during their study. (2mks)