

FOCUS A365

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FORM 4 TERM 1 GEOGRAPHY PPI EXAMINATIONS 2018

NAME: _____ ADM NO: _____ CLASS: _____

INSTRUCTIONS TO CANDIDATES:

- (a) This paper has **two** Sections **A** and **B**.
- (b) Answer all the questions in Section **A**.
- (c) Answer question **6** and any other **two** questions from Section **B**.
- (d) All answers must be written in the answer booklet provided.

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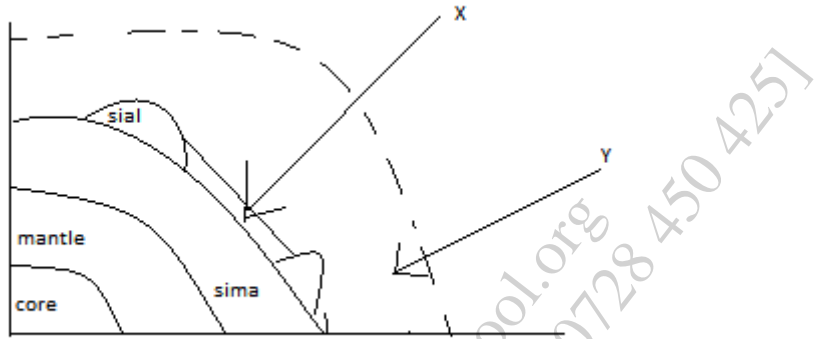
SECTION A:

Answer **all** questions from this section.

1.(a) What is river rejuvenation? (2mks)

(b) State **three** conditions leading to river rejuvenation. (3mks)

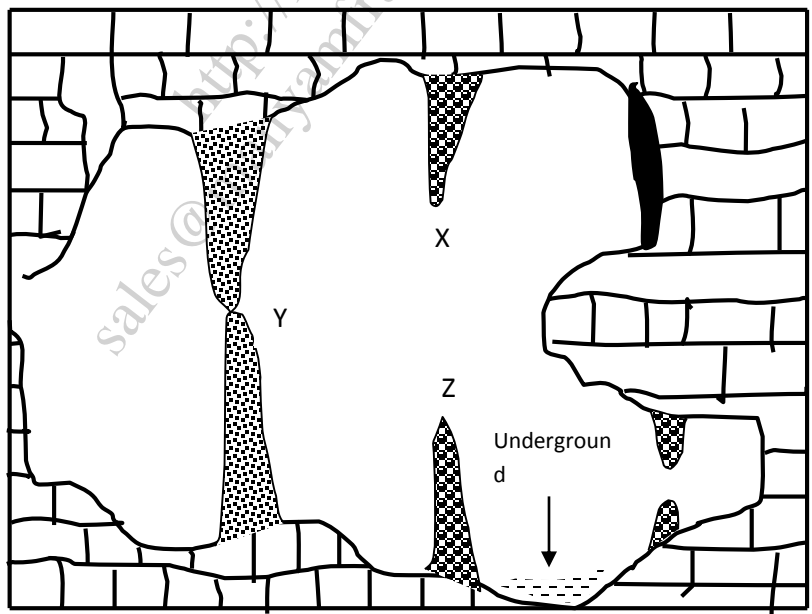
2. Study the diagram below and answer the questions that follow.



a (i) Name the parts marked x and Y. (2mks)

(ii) Give **two** minerals of the outer core. (2mks)

3. The diagram below shows some features found in a Karst scenery.



(a) Name the features marked x, y and z. (3mks)

(b) Name **three** conditions favoring the location of an artesian well. (3mks)

4 a) Name **two** types of coast. (2 marks)

b) State **three** conditions that can lead to formation of coral coasts. (3 marks)

5. (a) Differentiate between weathering and mass wasting. (2mks)

b) State **three** factors influencing Mass Wasting. (3mks)

SECTION B:

Answer question **6** and any other **two** questions from this section.

6. Study the map of OYUGIS 1:50,000 and answer the following questions.

a i) Give the magnetic declination of the area when the map was drawn (1 mks)

ii) Give six figure grid reference of Omoche school (1 mks)

iii) Give the latitudinal extent of the area covered by the map (2 mks)

b. i) Give the bearing of the air photo principal point on grid square 7522 from Aluor school (2 mks)

ii) Citing evidences, name **four** functions of Oyugis town (4 mks)

iii) Name **three** types of vegetation in the map (3 mks)

c. i) Identify **two** methods that have been used to represent relief of the area covered by the map (2 mks)

ii) Describe the relief of the area covered by the map (5 mks)

iii) Using a rectangle measuring 14 cm by 10 cm, draw a sketch map to represent the area bound by eastings 70 to 77 and northings 22 to 27. (1 mks)

On it show the following;

- Forest (1 mks)
- River Nyamaura(1 mks)
- Loose surface road(1 mks)
- Nyangao school(1 mks)

7. a) i) Give **two** reasons why wind is the dominant agent of erosion in arid areas (2 mks)
- ii) Give **two** processes through which the wind erodes the earth's surface. (2marks)
- iii) Identify **two** features resulting from water action in desert areas. (2marks)
- b) Explain **three** ways in which wind transports its load. (6marks)
- c) With well labeled diagrams describe the formation of rock pedestal. (5mks)
- e) You intend to carry out a field study on a desert landscape
- i) Apart from conducting oral interviews, state **three** other methods you would use to collect information (3mks)
- ii) List **two** problems likely to be encountered (2 mks)
- iii) Give **three** reasons why you would need a map of the area of study (3 mks)
8. a) i) Apart from the rift valley name **two** other resultant features of faulting. (2marks)
- ii) Apart from normal faults, name **three** types of faults. (3marks)
- b) State **four** ways in which faulting influences drainage. (4marks)
- c) With the aid of a well labeled diagram describe how rift valley was formed due to compressional forces. (7marks)
- d) Your class intends to carry out a field study on a section of rift valley;
- i) State **three** preparations they will make before the study. (3marks)
- ii) State **three** follow up activities that your classes will engage in after the study. (3marks)
- iii) State **three** importance of studying faulting through field work. (3marks)
9. a) i) Differentiate between weather and climate. (2marks)
- ii) Describe how the following conditions influence climate of a place.
- Altitude (2marks)
- Ocean currents (2marks)

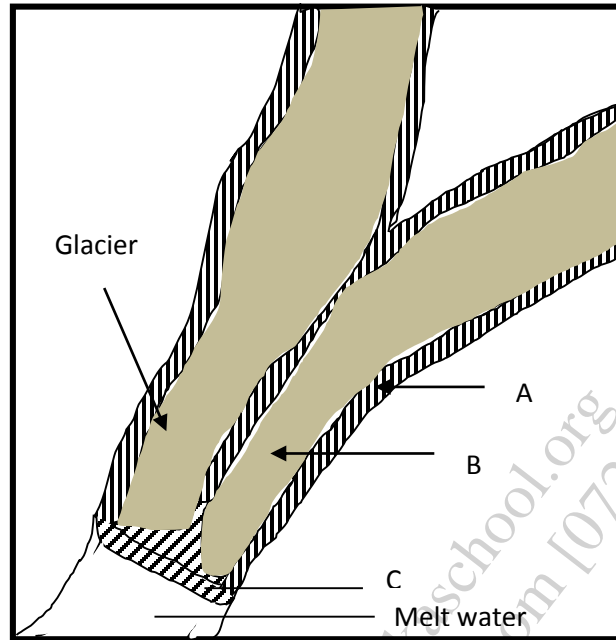
- b) The table below represents rainfall and its temperature of station Y. Use it to answer the questions (i) and (ii).
Station Y

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp ($^{\circ}\text{C}$)	30	31	31	31	30	29	28	29	29	29	29	30
Rainfall (mm)	250	250	325	300	213	25	25	25	100	275	380	200

- i) Calculate the mean Annual range of temperature of the station. (1mark)
- ii) Calculate the annual rainfall for the station Y. (2marks)
- iii) Calculate the average rainfall for the station Y. (2marks)
- c) Describe the climatic characteristics of station Y. (6marks)
- d) i) Using well labeled diagram, describe how relief rainfall is formed. (6 mks)
- ii) State the significance of weather forecasting to human activities. (2marks)

10 (a) What is a glacier? (2mk)

(b) The diagram below shows types of moraines in a valley glacier.



(i) Name the type of moraine marked A, B and C. (3mks)

(ii) State **four** factors which influence the rate of glacial erosion. (4mks)

(c) (i) State **three** ice erosional features. (3mks)

(ii) Describe the formation of a crag and a tail. (5mks)

(d) Explain **four** positive effects of glaciation to human activities. (8mks)