

CANDIDATE NAME: _____ DAY/OPEN (TICK)

CENTRAL EAST EDUCATION DIVISION

2026 MSCE MOCK EXAMINATION

GEOGRAPHY



Tuesday, 24 March

Subject Number: M073/I

Time Allowed: 2 hours 30 min.

8:00-10:30am

PAPER I
(100 Marks)

MAP READING AND PHYSICAL GEOGRAPHY

Instructions

1. This paper contains 13 printed pages. Please check.
2. Write your name on top of each page.
3. There are **five** questions in this paper.
4. There are **two** sections A and B.
5. Section **A** comprises of **three** questions and candidates must answer **all** the **three** questions.
6. Section B comprises **two** questions and candidates must answer **one** question only.
7. In the table provided on this page, tick against the question numbers you have answered.

Question number	Tick if answered	Do not write in these columns	
1			
2			
3			
4			
5			

Turn over...../

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Section A (75 marks)

Answer **all** questions.

1. Study the 1:50,000 extract map of **Nkhotakota** sheet **1234C3**, and use it to answer questions that follow.

a. (i) Find the **six - figure** grid reference for the Trigonometrical Station **56/NYS**.

_____ (2 marks)

(ii) In which direction is Kaombe river flowing?

_____ (1 mark)

b. Calculate the bearing of the Bore hole **BH FP153** from the Bore Hole **BHY 186**.

_____ (3 marks)

c. Measure the actual distance of **M5 road** on the map.

_____ (3 marks)

d. (i) Account for the absence of settlements on the north eastern side of the map.

(2 marks)

(ii) Explain any **one** economic activity carried out by the residents in this area.

(2 marks)

e. Calculate the area of Lake Malawi to the nearest square kilometer.



(5 marks)

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f. Calculate the gradient of the power line from northing 74 to northing 76



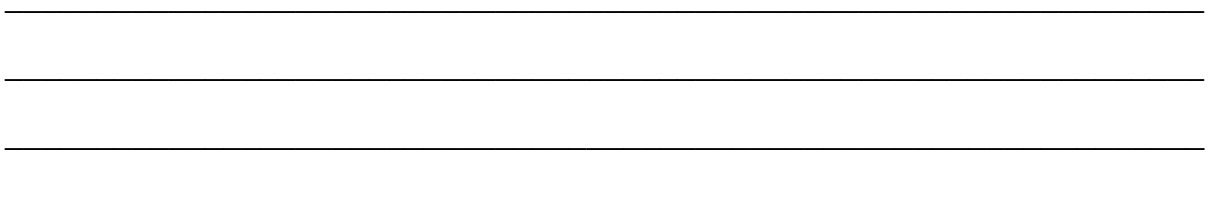
(7 marks)

2. a. Briefly describe continental drift theory.



(5 marks)

b. (i) Describe the relationship between volcanism and mountain building processes.



(2 marks)

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- (ii) Explain any two negative effects of volcanism.

(4 marks)

c. **Figure 1** shows relief features of the oceanic basin. Use it to answer questions that follow.

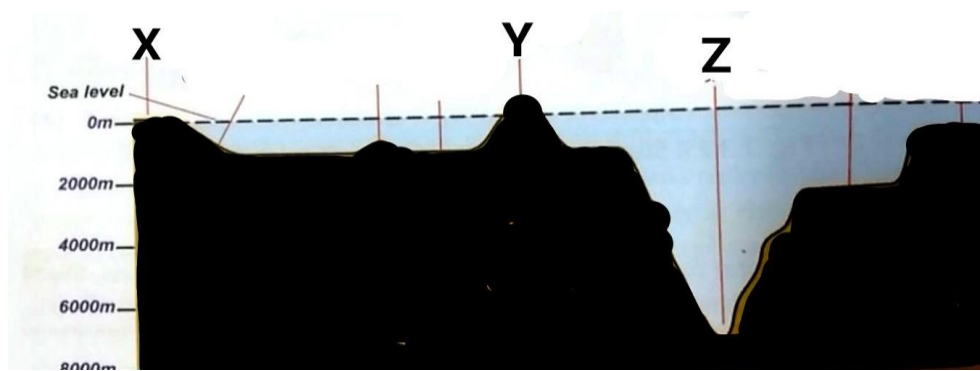


Figure 1

- (i) Identify features labelled X and Z.

X: _____ (1 mark)

Z: _____ (1 mark)

- (ii) Explain the process for the formation of the feature labelled Y.

(3 marks)

- (iii) State any **two** economic importance of the feature labelled X.

(2 marks)

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d. (i) Define the following terms:

1. Ocean currents

(1 mark)

2. Ocean drifts

(1 mark)

(ii) Mention any **one** example of an oceanic drift.

(1 mark)

(iii) Explain why major fishing grounds develop where warm and cold ocean currents meet.

(2 marks)

(iv) Describe a physical problem that affects shipping as a result of the meeting of warm and cold ocean currents.

(2 marks)

3. a. **Figure 2** is an illustration of the rock cycle. Use it to answer questions that follow.

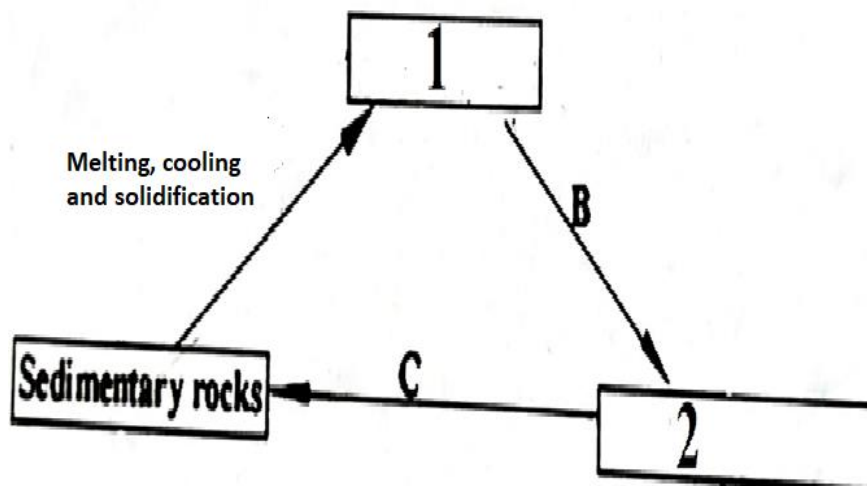


Figure 2

(i) Identify the type of rocks marked **1** and **2**.

1: _____ (1 mark)

2: _____ (1 mark)

(ii) Mention any **two** processes represented by the arrow marked **C**.

(2 marks)

(iv) Describe the way in which type of rocks marked **1** change into the type of rocks marked **2** through process **B**.

(3 marks)

b. (i) Give any **two** examples of environmental problems.

(2 marks)

(ii) Describe how the following ways help in controlling pollution

1. Treating solid waste before dumping it

(2 marks)

2. Using silencers in automobiles

(2 marks)

c. (i) Explain **one** way in which the following cause desertification.

1. Climate change

(2 marks)

2. Poor agricultural practices

(2 marks)

(ii) Mention any **two** ways of controlling desertification.

(2 marks)

d. (i) Define the following terms:

1. Climate change mitigation

(1 mark)

2. Climate change adaptation

(1 mark)

(ii) Explain any **two** climate change mitigation and adaptation procedures in Malawi.

(4 marks)

Section B (25 marks)

Answer **one** question only

4. a. **Table 1** below shows climate of **Town P**. Use it to answer questions that follow.

TOWN P

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp °C	9	9	10	12	16	20	23	21	20	16	12	9
Rain (mm)	95	90	75	70	55	10	05	20	18	90	115	105

(i) Identify the type of climatic region for Town P.

(1 mark)

(ii) Calculate annual temperature range for Town P.

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(2 marks)

- (iii) Name any **two** countries in southern hemisphere which experience the climate represented by Town P.

(2 marks)

- (iv) Describe the relationship between temperature and rainfall as shown in the table.

(2 marks)

- (v) Explain any **two** ways in which vegetation associated with climate represented by Table P adapt to the summer drought.

(4 marks)

- b. **Figure 3** below shows the type of front. Use it to answer questions that follow.

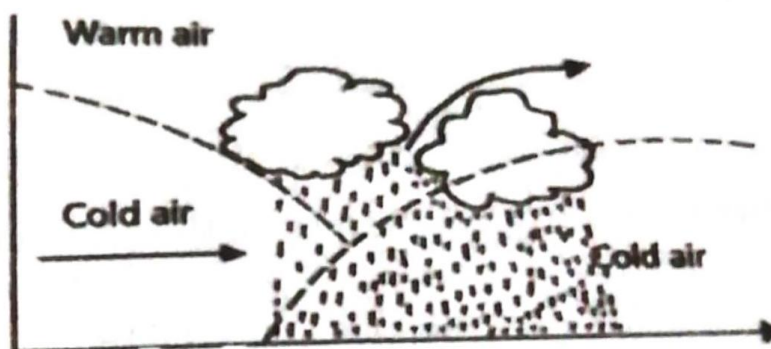


Figure 3

- (i) Identify the type of front.

(1 mark)

(ii) Briefly describe how this type of front is formed.

(3 marks)

(iii) Describe the weather associated with the front.

(2 marks)

c. (i) Mention **two** countries that are affected by Chiperoni wind.

(2 marks)

(ii) Describe the weather associated with Chiperoni wind.

(2 marks)

d (i) Mention any **two** types of air masses according to Latitude.

(2 marks)

(ii) Describe the weather associated with cumulonimbus clouds.

(2 marks)

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5. a. **Figure 4** is an illustration of vegetation of a certain climatic region. Use it to answer questions that follow.

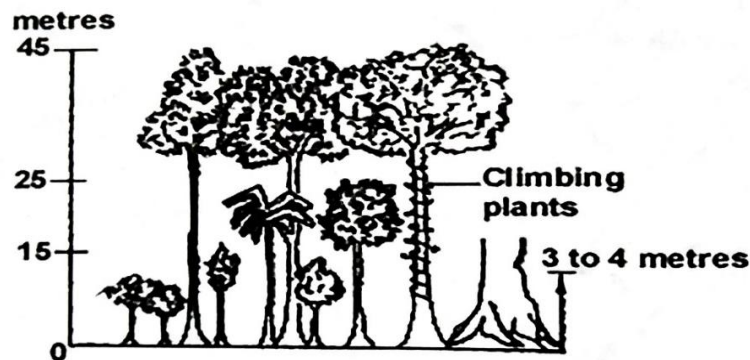


Figure 4

(i) Identify the climatic region.

(1 mark)

(ii) State any **two** climatic characteristics of the region

(2 marks)

(iii) Mention any **two** countries in West Africa that have a climate associated with the vegetation.

(2 marks)

(iv) Explain any **two** factors that retard development in this region

(4 marks)

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b. **Figure 5** shows a depression. Use it to answer questions that follow.

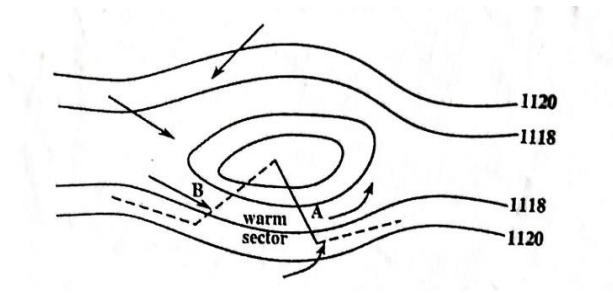


Figure 5

(i) Name fronts marked **A** and **B**.

A: _____ (1 mark)

B: _____ (1 mark)

(ii) Describe how the depression shown in **figure 4** is formed.

(5 marks)

(iii) State any **two** characteristics of a depression.

(2 marks)

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c. With the aid of a diagram describe the occurrence of sea breeze

(7 marks)

END OF QUESTION PAPER

NB: This paper contains 13 printed pages.

