

STUDENT NAME: _____ SCHOOL NAME_____

2025

M073/I



SOUTH WEST EDUCATION DIVISION

2025 MALAWI SCHOOL CERTIFICATE OF EDUCATION MOCK EXAMINATION

GEOGRAPHY

Monday, 31 March

Subject Number: M073/I

Time Allowed: **2 hours 30 minutes**

8:00 – 10:30 am

PAPER I

(100 marks)

MAP READING AND PHYSICAL GEOGRAPHY

Instructions

1. This paper contains 14 printed pages.
Please check.
2. There are **five questions**.
3. There are two sections, A and B. follow the instructions for each section carefully.
4. Write your **NAME** at the top of each page of this question paper.
5. In the table provided on this page, tick against the number of the question you have answered.
6. Hand in the question paper to the invigilator

Question Number	Tick if Answered	Do not write in these columns
1		
2		
3		
4		
5		
	TOTAL	

SECTION A: (75 Marks)

1. Study the 1:50,000 Map extract of Liwonde sheet and answer the questions that follow:

a. (i) What feature is found at grid reference 333289?

_____ (1 mark)

(ii) Find the six-figure reference for BH Y30.

_____ (2 marks)

b. (i) In which direction is Nachimwase River flowing?

_____ (1 mark)

(ii) Calculate the bearing of Chipamba School from Dziwe School.

_____ (2 marks)

c. (i) Measure the length of Shire River. Give your answer to the nearest kilometer.

_____ (2 marks)

(ii) Calculate the area covered by the Tobacco Estate Ltd to the nearest square kilometer.

Show your working.

_____ (5 marks)

d. (i) Name **one** drainage pattern shown on the west of Shire River. -

_____ (1 mark)

(ii) Calculate the vertical interval of the map.

_____ (1 mark)

- e. (i) State any **two** ways in which land has been put into use.

(2 marks)

- (ii) Why are there very few settlements in the Southern part of the map?

(2 marks)

- f. Suggest any **one** occupation of people in the area.

(1 mark)

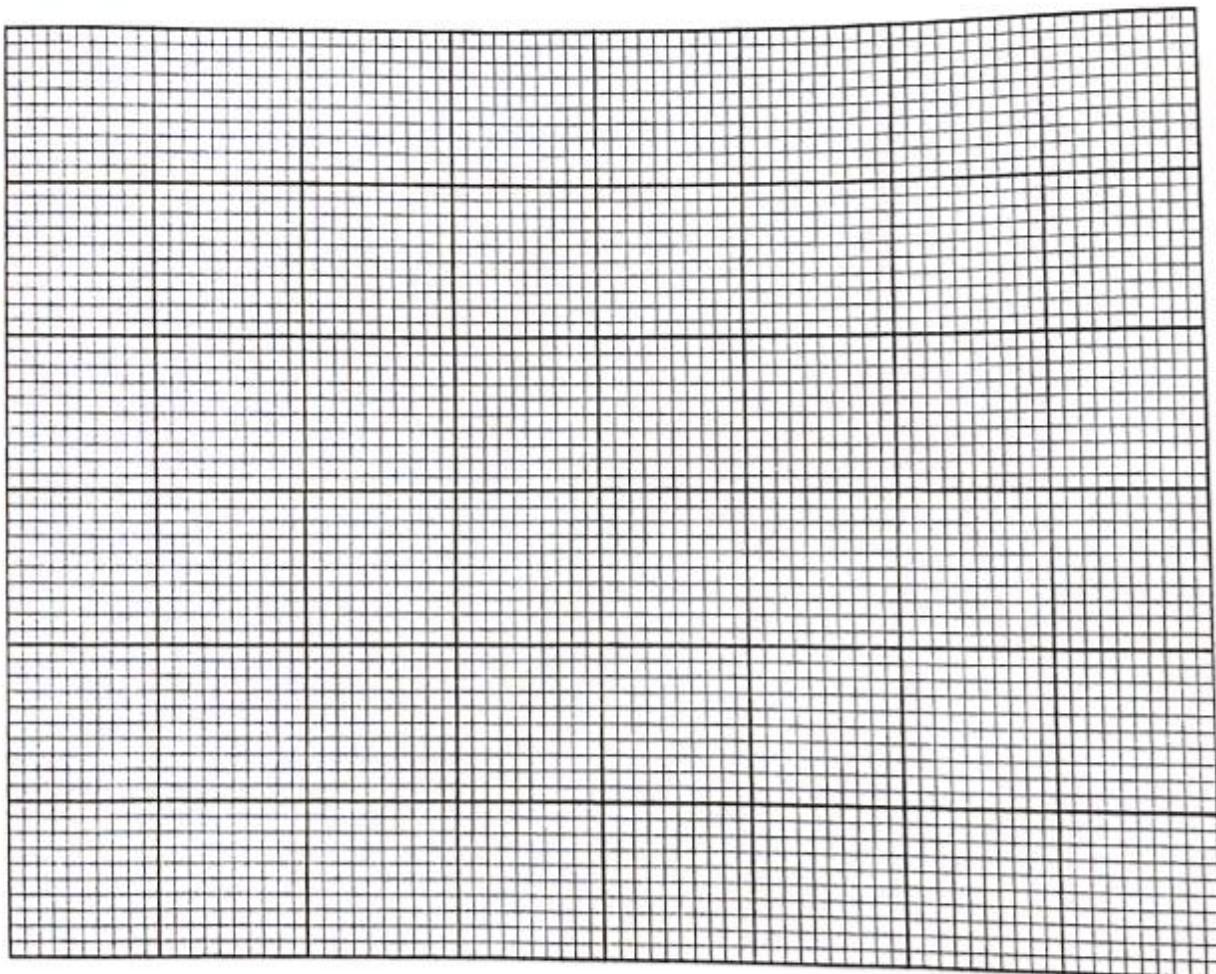
- g. Reduce the area on the map by half to its original size (from Northing 18 to 23 and from easting 30 and Easting 36). Use the graph paper provided to answer this question. On the reduced map indicate

- i) New scale
- ii) Kalambo school
- iii) Shire river

(5 marks)

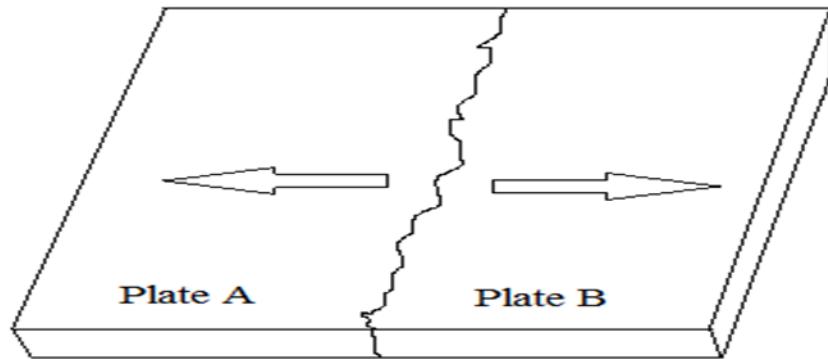
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2. a. **Figure 1** is a world map showing plate boundaries. Use it to answer the questions that follow.



- (i) Identify the type of plate boundary in the diagram.

(1 mark)

- (ii) Describe **two** geological processes that take place at this type of boundary.

(4 marks)

- b. (i) Describe the following in relation to continental drift theory.

- A. Pangea

(2 marks)

- B. Laurasia

(2 marks)

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(ii) Using a well labelled diagram, describe how a simple fold was formed.

(2 marks)

(2 marks)

(iii) State any **two** characteristics of young fold mountains.

(2 marks)

c. (i) Distinguish between volcanic and plutonic igneous rocks.

(2 marks)

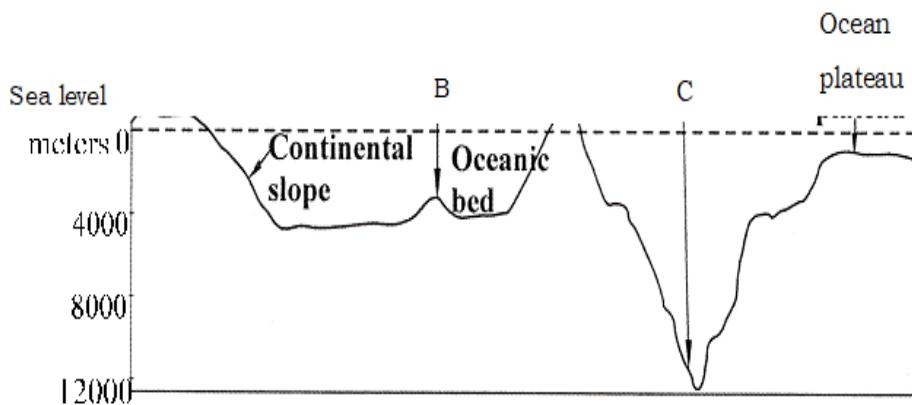
(ii) With the aid of a well labelled diagram, describe the rock cycle.

(4 marks)

Continued.../

(4 marks)

3. a. **Figure 2** is a diagram showing the relief of the ocean basins. Use it to answer questions (i), (ii), and (iii).



- (i) Identify features labelled B and C.

B _____ (1 mark)

C _____ (1 mark)

- (ii) Describe how features labelled C is formed.

(2 marks)

- (iii) Outline any **two** ways in which feature labelled A is important.

(2 marks)

Continued.../

- b. **Figure 3** is a diagram of a delta. Use it to answer questions that follow:



- i. Identify the type of delta above.

_____ (1 mark)

- ii. Describe any **three** characteristics of this type of a delta.

(3 marks)

- iii. Explain any **two** economic values of deltas.

(2 marks)

- c. Explain two climate change adaptation measures taking place in Malawi.

(4 marks)

- d. (i) State any **two** ways of controlling pollution.

(2 marks)

Continued.../

(ii) Explain how the following causes climate change.

- i. Burning of fuel fossils

(2 marks)

- ii. Deforestation

(2 marks)

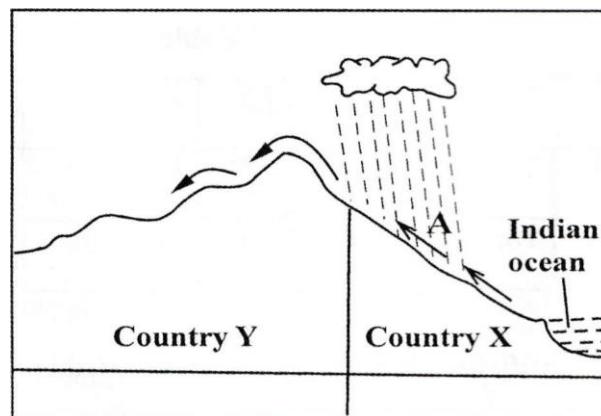
(iii) Explain how temperature affects air pressure.

(3 marks)

SECTION B (25 Marks)

Answer only **one** question.

4. a. **Figure 4** is a diagram showing the development of local winds. Use it to answer questions (i), (ii), (iii), and (iv).



Continued.../

(i) Name the local wind shown in the diagram.

(1 mark)

(ii) Identify countries X and Y.

Y _____ (1 mark)

X _____ (2 marks)

(iii) Give any **two** characteristics of the local wind shown in the diagram.

(2 marks)

(iv) Explain the effect of the wind marked A to the affected land mass.

(2 marks)

b. (i) Explain the impact of the Inter- Tropical Convergence Zone on the climate of Malawi.

(2 marks)

(ii) Explain any **two** necessary conditions for the development of a tropical cyclone

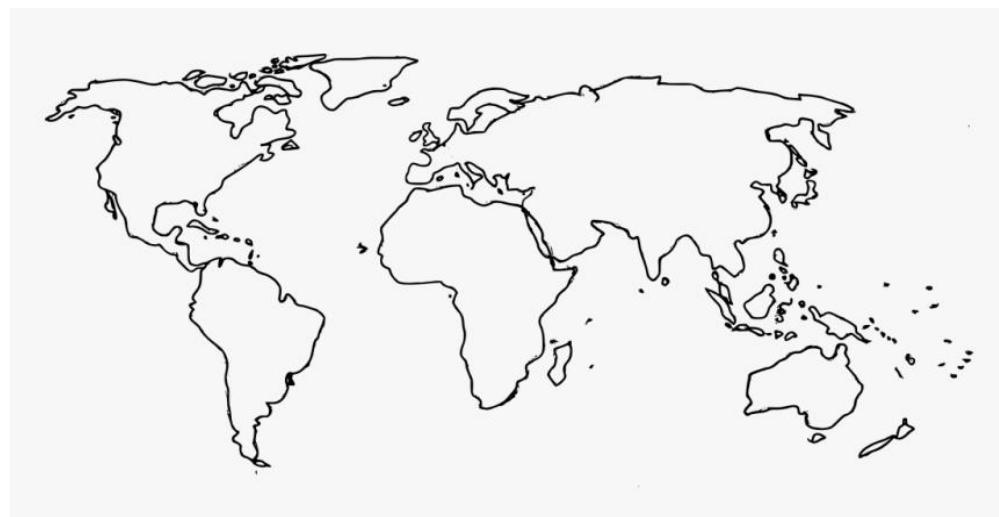
(4 marks)

(iii) Describe the weather associated with the arrival of an eye of the tropical cyclone

(3 marks)

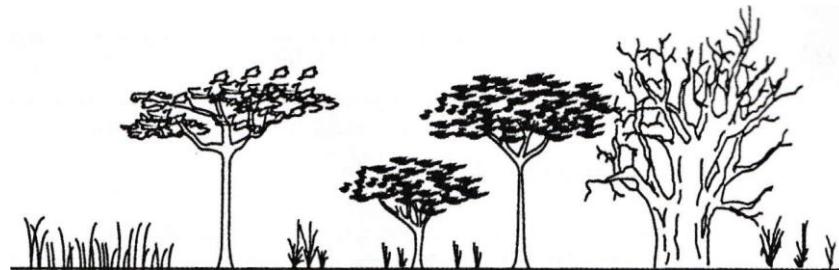
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- (iv) **Figure 5** below is a blank world map. On the map itself, indicate the regions affected by tropical cyclones. Indicate the local names of the cyclone in each region



(4 marks)

- c. **Figure 6** is a diagram showing vegetation associated with a distinct climate. Use it to answer questions that follow:



- (i) Identify the vegetation shown in the diagram

(1 mark)

- (ii) Mention the climate which is associated with the vegetation shown in the diagram

(1 mark)

- (iii) Describe any **one** characteristics of the vegetation shown in the diagram

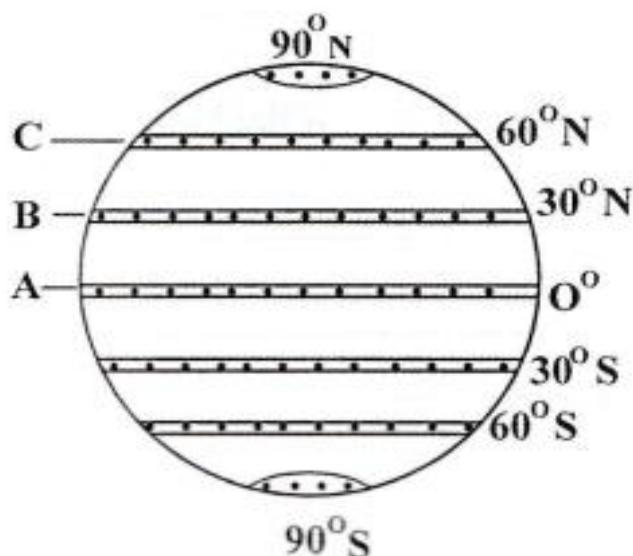
(2 marks)

Continue.../

- (iv) Give any **one** way in which the vegetation shown in the diagram adapts to climatic conditions of the associated regions

_____ (1 marks)

5. a. **Figure 7** is a diagram showing the major air pressure belts on a stationary globe. Use it to answer questions (i), (ii), (iii)



- i. Name the pressure belts marked B and C

B _____ (1 mark)

C _____ (1 mark)

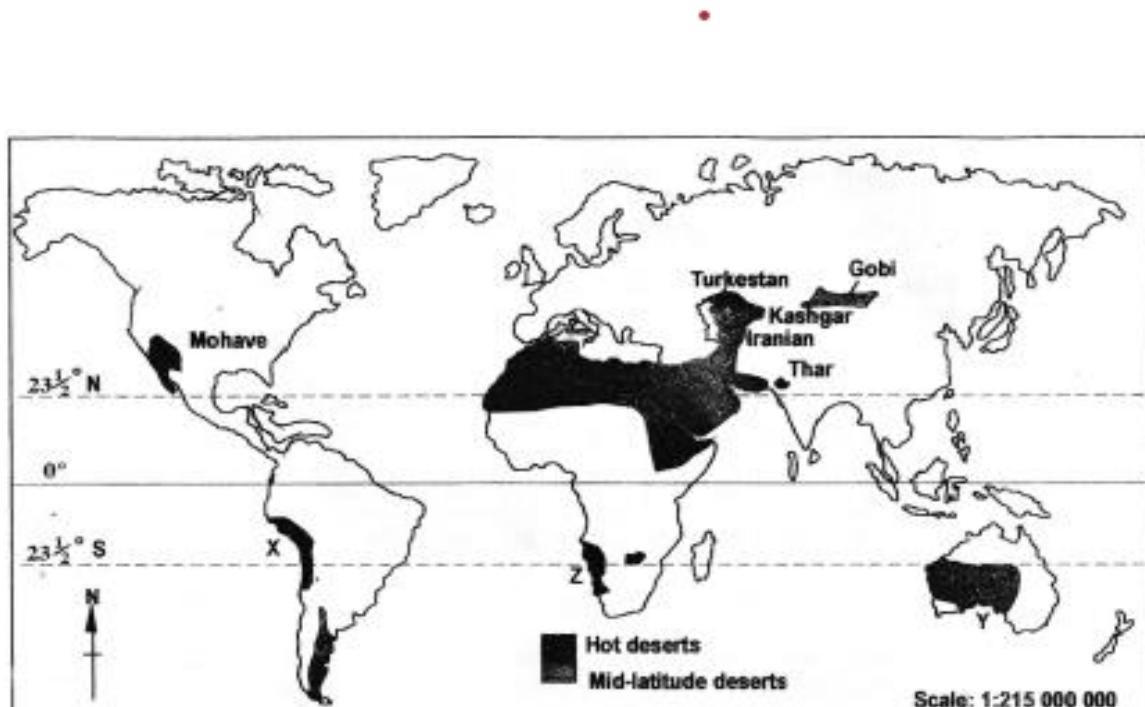
- ii. Explain any **two** causes of low pressure belt at A

(4 marks)

- iii. Give **three** characteristics of trade winds.

(3 marks)

- b. **Figure 8** is world map showing distribution of deserts. Use it to answer questions (i), (ii), (iii), (iv)



- i. Name the deserts marked X and Y.

X _____ (1 mark)

Y _____ (1 mark)

- ii. Explain how desert Z was formed.

(2 marks)

- iii. Explain any **one** way in which desert conditions hinder development.

(2 marks)

Continued.../

- iv. Give any **two** ways of controlling the spread of deserts.

(2 marks)

- c. **Table 1** shows climate data for station X. Use it to answer questions (i), (ii), (iii), (iv)

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp°C	9	9	10	12	16	20	23	24	20	16	12	9
Rain(mm)	70	85	75	70	55	50	15	20	60	130	130	105

- (i) Identify the climatic region represented by the table

(1 mark)

- (ii) Calculate the annual temperature range for the climate station X

(2 marks)

- (iii) Name any **one** country in Africa that experience the climate represented by the table

(1 mark)

- (iv) Explain any **two** economic activities in the areas experiencing the climate represented by the table

(4 mark)

END OF QUESTION PAPER

NB: This paper contains 12 printed pages