



EXAMINATION NO.: _____

SOUTH EAST EDUCATION DIVISION

2024 MALAWI SCHOOL CERTIFICATE OF EDUCATION MOCK EXAMINATION

GEOGRAPHY

Subject Number: M073/I

Monday, 25th March

Time Allowed: 2h 30min

8:00 – 10:30 am

PAPER I

(100 marks)

MAP READING AND PHYSICAL GEOGRAPHY

Instructions:

1. This paper contains 16 printed pages.

Please check.

2. This paper has **five** questions.

3. This paper has **two** sections: **A** and **B**.

4. Answer all the **three** questions in Section **A** and any **one** question in Section **B**.

5. Write your **Examination number** on top of each page of this question paper.

6. In the table provided on this page, **tick against** the question number you have answered.

7. **Hand in** your question paper to the invigilator when time is called to stop writing.

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

Section A (75 marks)

Answer **all** questions in this section in the spaces provided.

1. Study the 1:50,000 map extract of Lilongwe sheet 1433 BT and use it to answer questions that follow.

- a. (i) Find the **six** figure grid reference for the trigonometric station 126 MWT

(2 marks)

- (ii) What geographical feature is found on grid reference 726319

(2 marks)

- b. (i) In which direction is Nadzithanga river flowing

(1 mark)

- (ii). Measure the distance of the main road. Leave your answer in the nearest kilometer

(3 marks)

- c. (i) Identify the settlement pattern displayed in grid square 7339

(1 mark)

- (ii). Describe any **two** factors that have influenced the development of the settlement pattern mentioned in c(i)

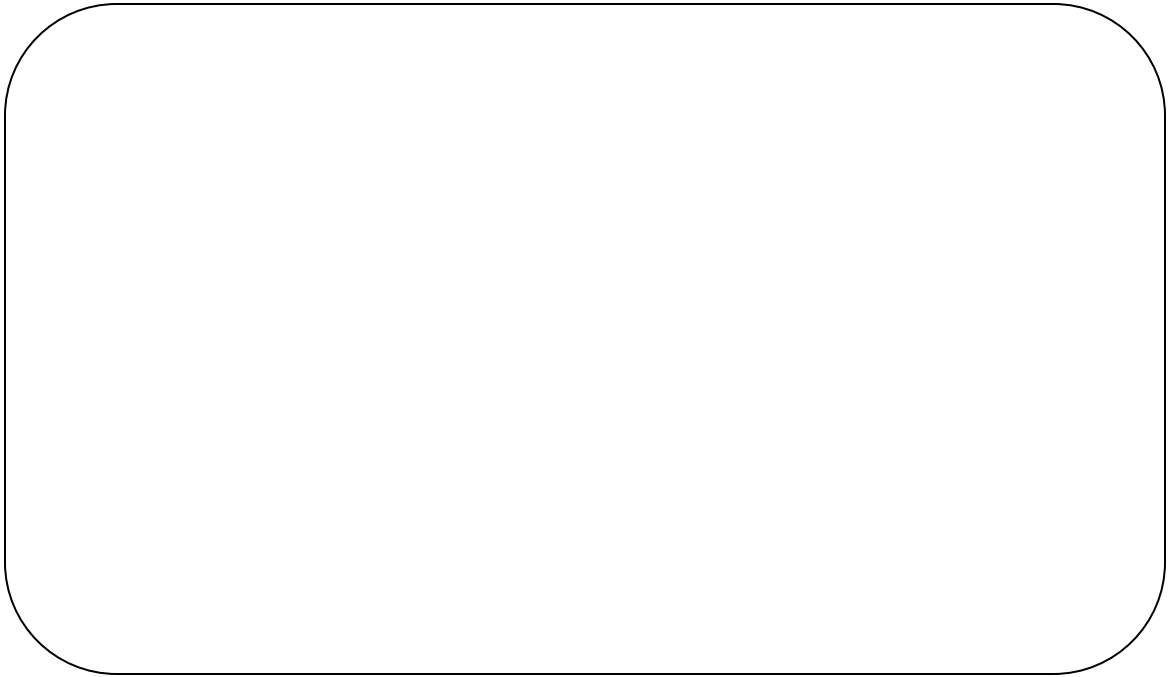
(4 marks)

- (iii) What evidence is there on the map to show that cattle rearing is taking place.

(1 mark)

Continued/...

d. (i). Calculate the area covered by Dzalanyama Forest Reserve.



(5 marks)

(ii). Draw a cross-section of the land along northing 32 between eastings 66 and easting 72. Take one centimeter to represent 50ft for vertical scale.

A full-page sheet of white graph paper featuring a uniform grid of thin black lines. The grid consists of small squares covering the entire area, with no margins or additional markings.

(6 marks)

Continued/...

2. a. (i). Explain how edges of continents support the theory of continental drift.

(2 marks)

- (ii). State any **two** weaknesses of the theory of continental drift.

(2 marks)

- b. (i) Explain how plate movements promote formation of fold mountains

(2 marks)

- (ii) Give any **two** examples of fold mountains associated with plate movement.

(2 marks)

- (iii) Give any **two** positive effects of young fold mountains

(2 marks)

- c. (i) Explain how a volcanic mountain is formed

(3 marks)

Continued/...

(ii) Explain why volcanic regions are associated with earthquakes

(2 marks)

(iii) State any **two** negative effects of earthquakes

(2 marks)

d. (i). State any **two** ways in which coastal landforms are important

(2 marks)

(ii). Explain any **one** way in which waterfalls are formed

(4 marks)

(iii). Mention any **two** examples of clastic sedimentary rocks

(2 marks)

3. a. **Figure 1** shows a type of vegetation found in a climatic region. Use it to answer questions that follow.

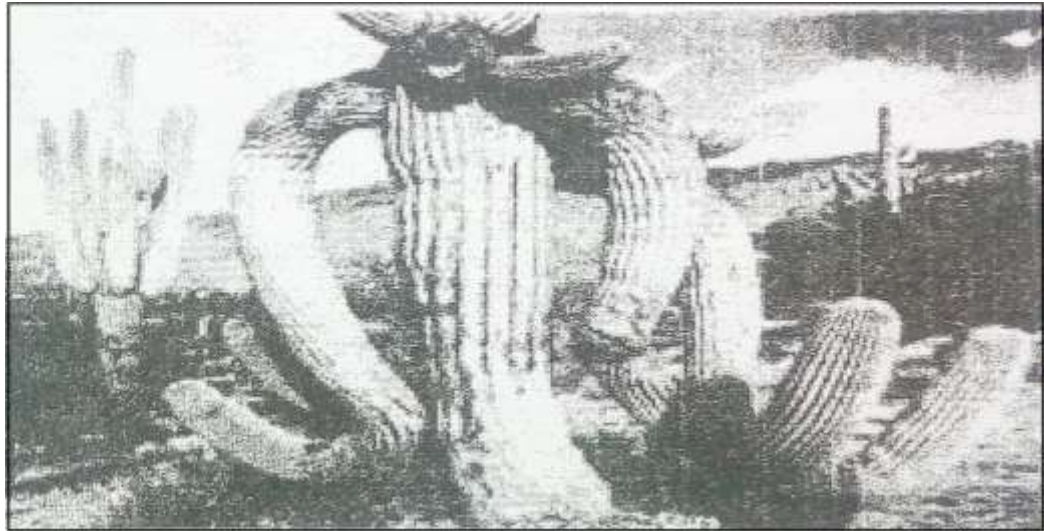


Figure 1

- (i). Identify the plant.

(1 mark)

- (ii). In which climatic condition is the type of vegetation found

(1 mark)

- (iii). Explain any **one** way in which plants in the vegetation type shown in the figure adapt to the climatic conditions they grow in.

(2 marks)

- (iv). State any **two** ways how human activities promote the development of the climate in which the vegetation in the figure is found

(2 marks)

- b. **Figure 2** is map of South America. Use it to answer questions that follow.

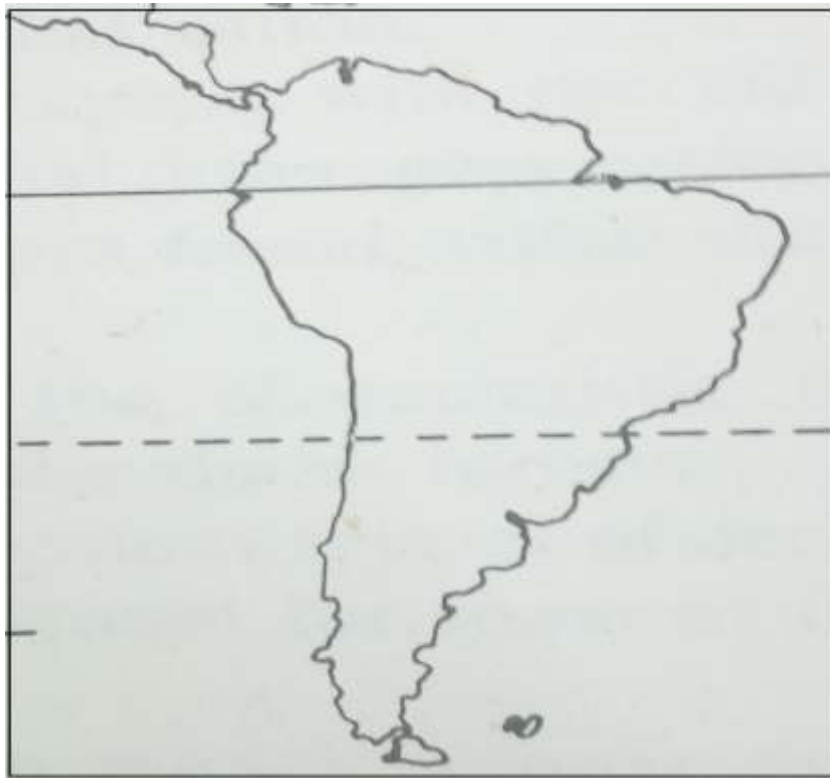


Figure 2

- (i). Using arrows, on the map, **locate** and **name** the ocean currents that flow on the western edge and eastern edge of South America.

1. Eastern edge: _____

(2 marks)

2. Western edge: _____

(2 marks)

Continued/...

- (ii). Explain how the ocean current found on the western edge of the continent in the figure promote fishing.

(2 marks)

- c. (i). What is the difference between an 'environmental issue' and an 'environmental problem'.

(1 mark)

- (ii). Give any **two** examples of environmental problems.

(2 marks)

- (iii). Name any **two** environmental problems that are solved by afforestation.

(2 marks)

- (iv). Explain **one** effect of water pollution on the fishing industry

(2 marks)

- d. Explain how the following activities endanger wild life

- (i) Deforestation

(2 marks)

(ii) Poor farming practices

(2 marks)

e. Give any **two** ways of collecting data.

(2 marks)

Section B (25 marks)Answer **one** question only from this section in the spaces provided

4. a. (i) Define the term 'local wind'

(1 mark)

(ii). State any **two** characteristics of local winds

(2 marks)

(iii). Why are some local winds called doctor winds

(2 marks)

Continued/...

- b. **Figure 3** shows movement of a local wind. Use it to answer questions that follow.

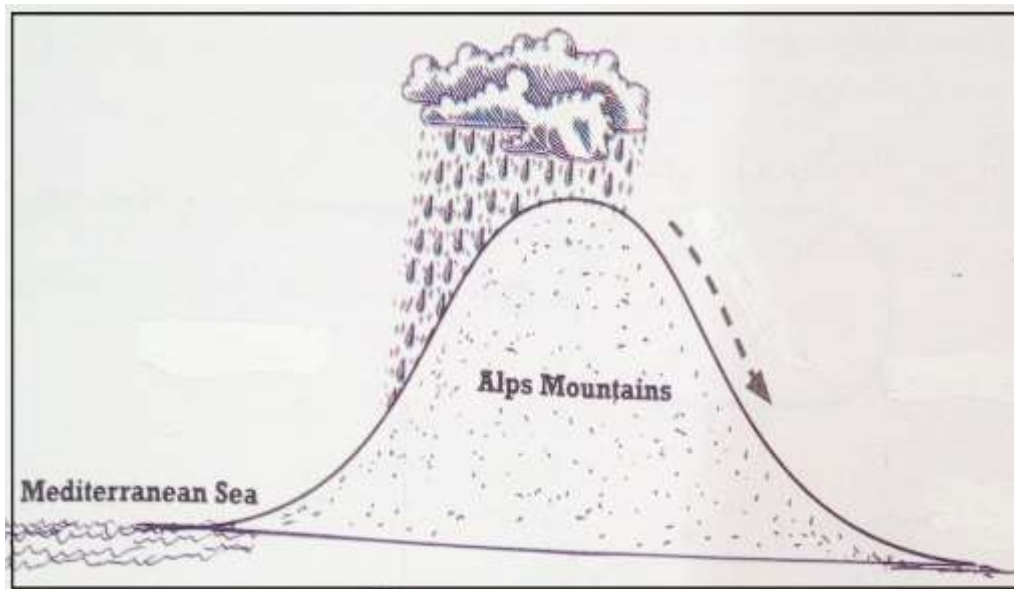


Figure 3

- (i) Identify the local wind represented by the arrow in the figure.

(1 mark)

- (ii) Explain any **two** effects of the local wind in the area it blows

(4 marks)

- (iii) Name **one** country that is affected by the local wind

(1 mark)

- c. (i) Describe any **two** conditions necessary for the development of a tropical cyclone

(4 marks)

- (ii). Give any **two** weather conditions associated with tropical cyclone

(2 marks)

- d. **Figure 4** is a graph showing rainfall and temperature patterns of a certain climate. Use it to answer questions that follow.

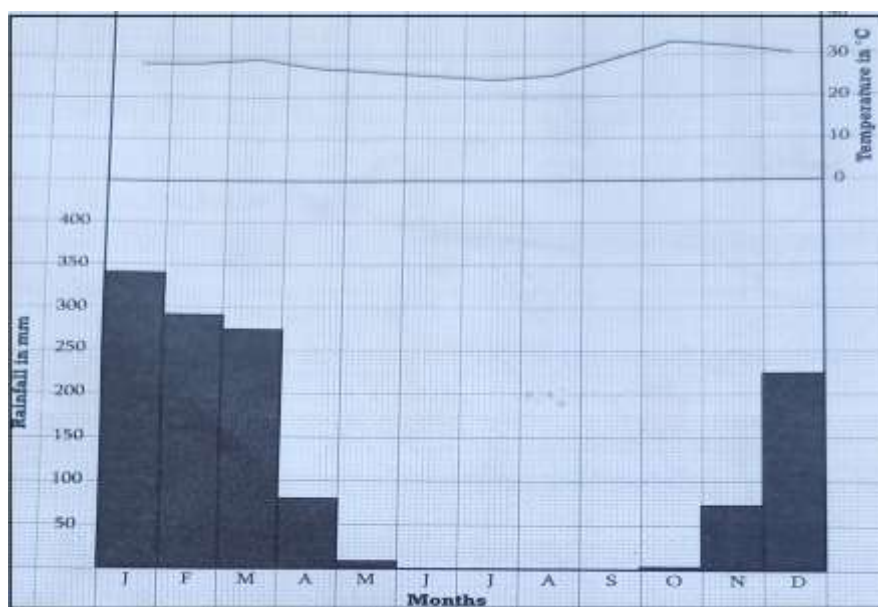


Figure 4

- (i) Identify the type of climate represented in the graph

(1 mark)

- (ii) In which hemisphere is the place represented in the graph located?

(1 mark)

- (iii) Give reason for your answer in d(ii) above

(2 marks)

- (iv) Name any **two** countries in southern Africa which experience the climate represented by the graph in the figure

(2 marks)

- (v) Explain any **one** challenge that retards agricultural development in the areas experiencing the climate represented by the graph

(2 marks)

5. **Figure 5** is a graph showing temperature and rainfall pattern of a certain climate. Use it to answer questions that follow;

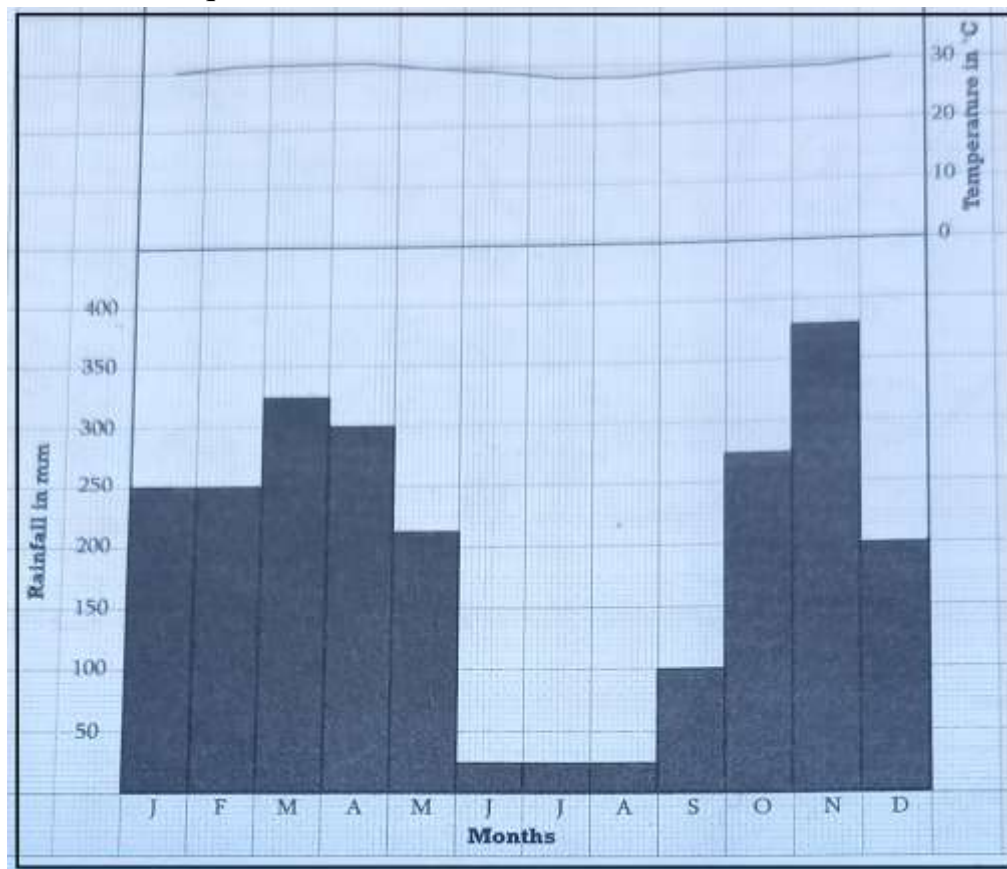


Figure 5

Continued/...

(i) Identify the climate represented in the graph

(1 mark)

(ii). Describe the temperature pattern of the area represented by the graph in the figure

(2 marks)

(iii) What **two** unique characteristics of rainfall are experienced in areas represented by the climate graph

(2 marks)

(iv) Mention any **two** countries in Asia that experience the climate represented in the graph.

(2 marks)

b. (i) Explain how convectional rainfall is formed

(4 marks)

(ii) Name the cloud associated with convectional rainfall

(1 mark)

Continued/...

(iii). State any **two** conditions necessary for precipitation to occur

(2 marks)

(iv). Name any **two** solid forms of precipitation

(2 marks)

c. (i) Explain why there is low air pressure at low altitudes

(2 marks)

(ii). Describe the weather associated with development of high pressure
in an area

(2 marks)

- d. **Figure 6** is a diagram showing air circulation between the land and the sea. Use it to answer questions that follow.

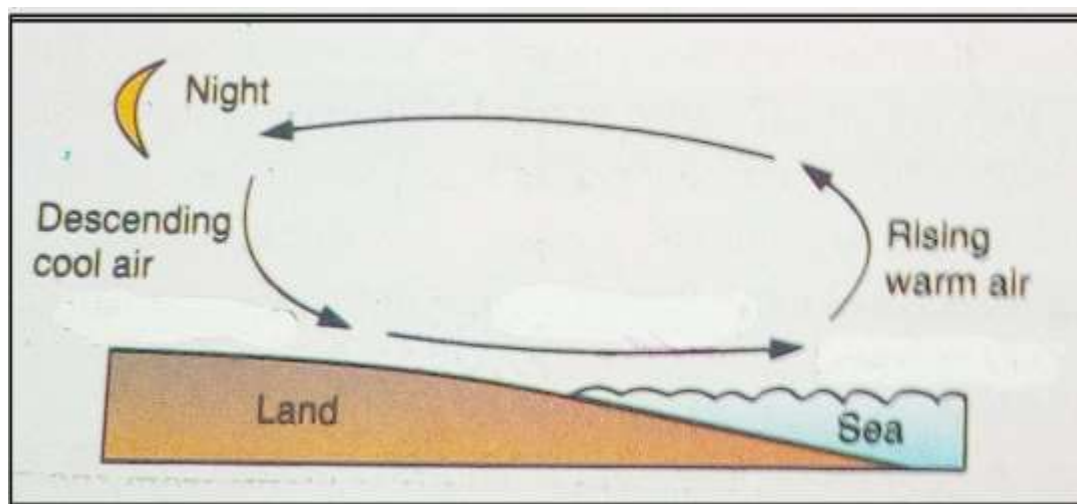


Figure 6

- (i) Identify the air circulation shown in the figure

(1 mark)

- (ii) Account for the pattern of air circulation between the land and sea as shown in the figure

(2 marks)

- (iii) Explain how the pattern of air circulation shown in the figure promote fishing

(2 marks)

END OF QUESTION PAPER

NB: This paper contains 16 printed pages.