



EXAMINATION NO.: \_\_\_\_\_

# SOUTH EAST EDUCATION DIVISION

2024 MALAWI SCHOOL CERTIFICATE OF EDUCATION MOCK EXAMINATION

## GEOGRAPHY

Subject Number: M073/I

Monday, 25<sup>th</sup> 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

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**(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)
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- 
- 
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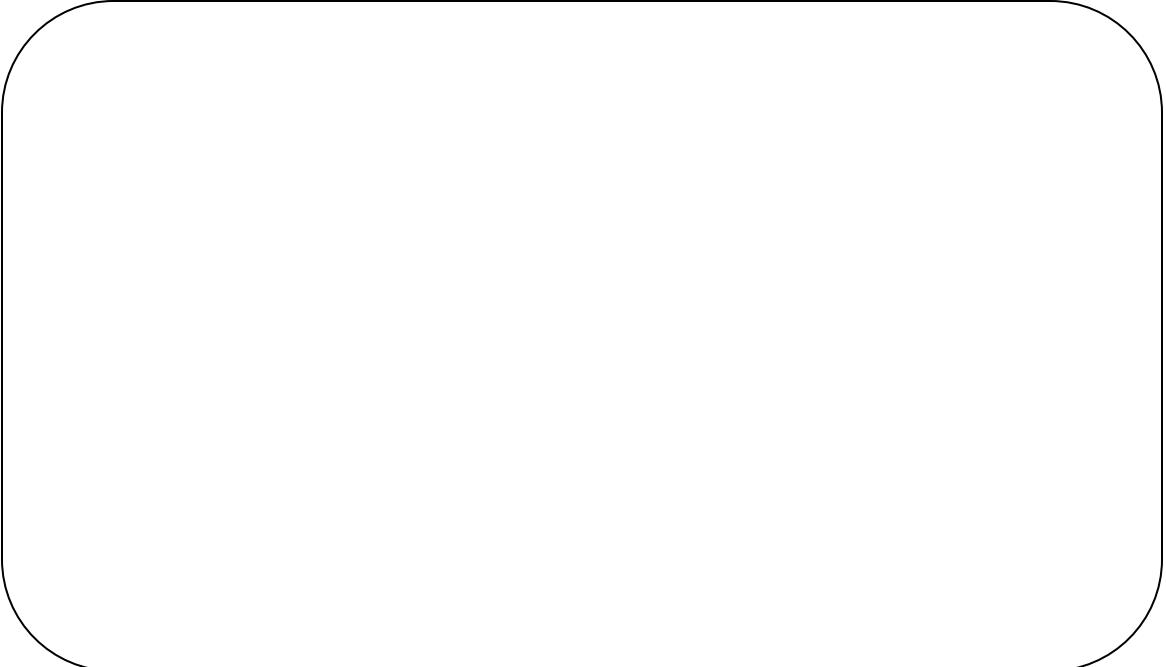
**(4 marks)**

- (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.

**EXAMINATION NO.: \_\_\_\_\_**

**2024**

**Page 4 of 16**

**M073/I**

A large rectangular grid consisting of 12 columns and 18 rows of small squares, intended for calculations or drawing.

**(6 marks)**

Continued/...

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

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**(2 marks)**

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

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**(2 marks)**

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

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**(2 marks)**

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

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**(2 marks)**

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

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**(2 marks)**

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

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**(3 marks)**

Continued/...

(ii) Explain why volcanic regions are associated with earthquakes

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**(2 marks)**

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

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**(2 marks)**

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

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**(2 marks)**

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

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**(4 marks)**

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

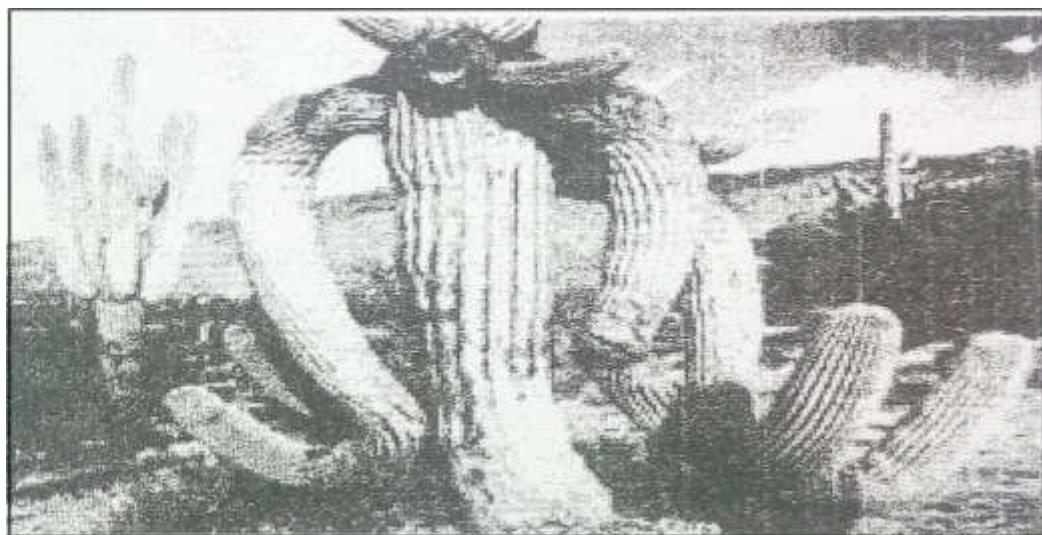
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**(2 marks)**

Continued/...

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.

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**(1 mark)**

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

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**(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.

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**(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

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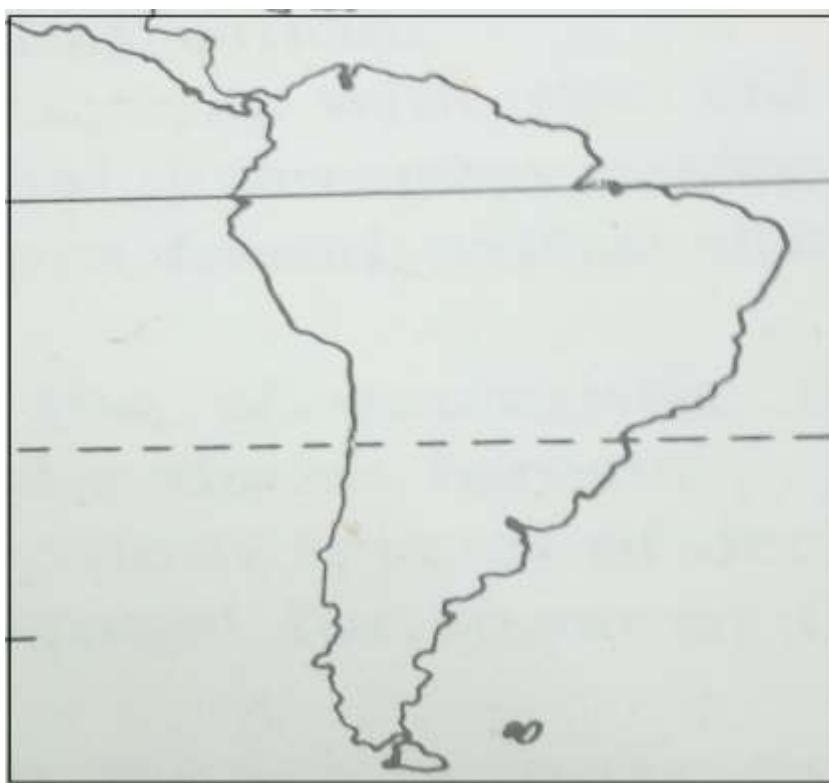
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**(2 marks)**

- 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.

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**(2 marks)**

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

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**(1 mark)**

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

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**(2 marks)**

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

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**(2 marks)**

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

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**(2 marks)**

- d. Explain how the following activities endanger wild life

- (i) Deforestation

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(ii) Poor farming practices

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**(2 marks)**

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

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**(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’

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**(1 mark)**

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

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**(2 marks)**

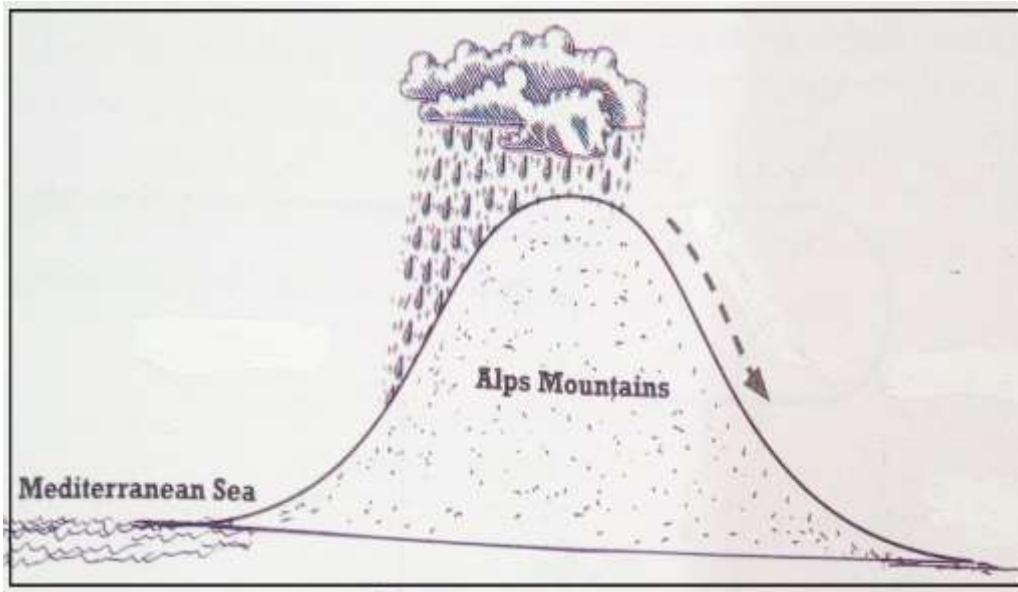
- (iii). Why are some local winds called doctor winds

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**(2 marks)**

- 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.

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**(1 mark)**

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

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**(4 marks)**

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

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**(1 mark)**

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

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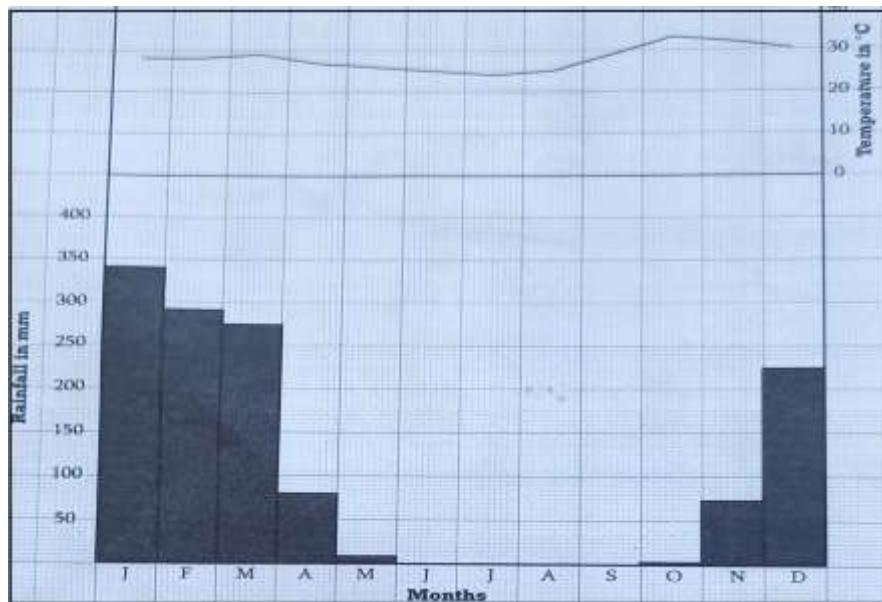
**(4 marks)**

Continued/...

- (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)  
Continued/...

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

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(2 marks)

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

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(2 marks)

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

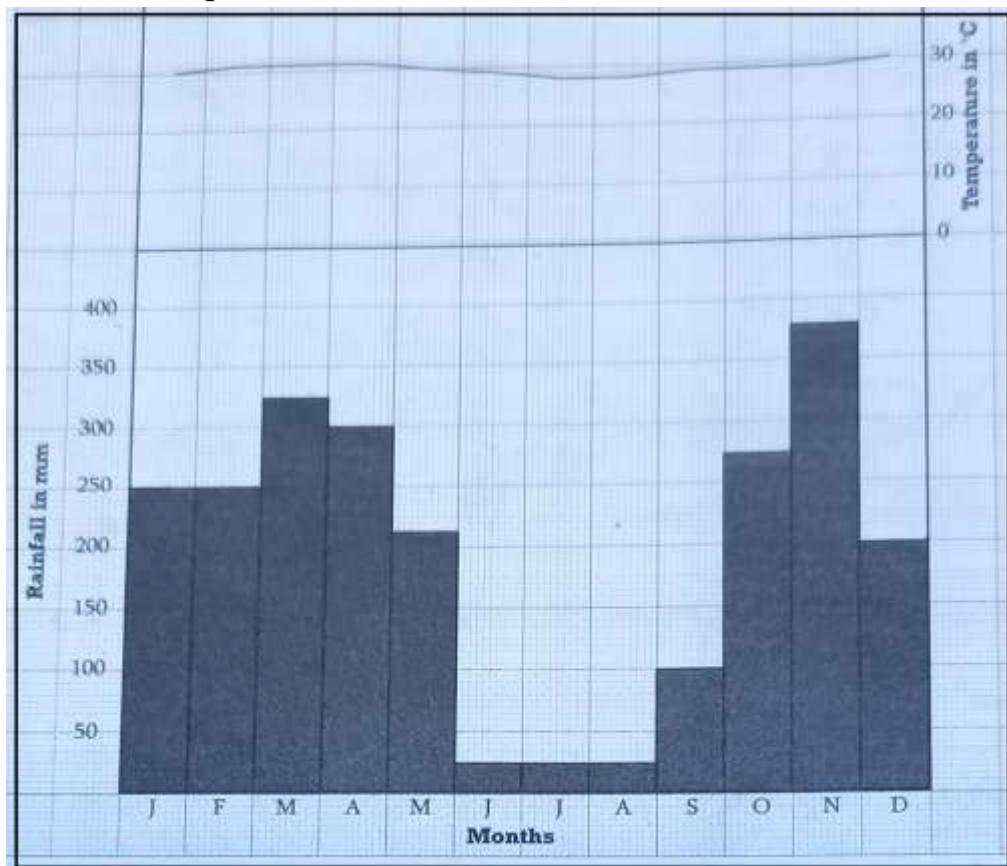


Figure 5

Continued/...

(i) Identify the climate represented in the graph

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(1 mark)

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

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(2 marks)

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

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(2 marks)

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

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(2 marks)

b. (i) Explain how convectional rainfall is formed

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(4 marks)

(ii) Name the cloud associated with convectional rainfall

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(1 mark)

Continued/...

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

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**(2 marks)**

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

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**(2 marks)**

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

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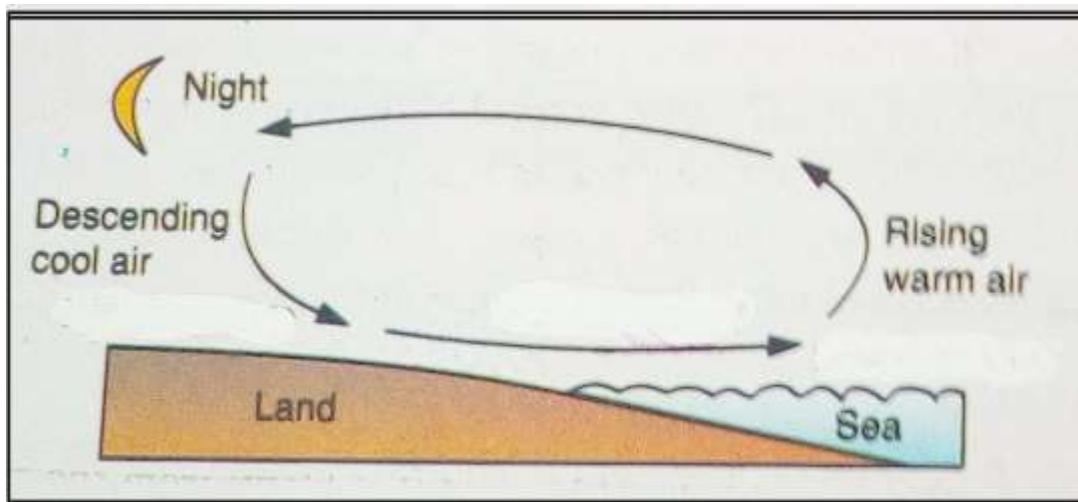
**(2 marks)**

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

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**(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

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(1 mark)

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

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(2 marks)

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

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(2 marks)

**END OF QUESTION PAPER**

**NB:** This paper contains 16 printed pages.