



**L-Università  
ta' Malta**

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE  
EXAMINATIONS BOARD

**SECONDARY EDUCATION CERTIFICATE LEVEL  
2025 MAIN SESSION**

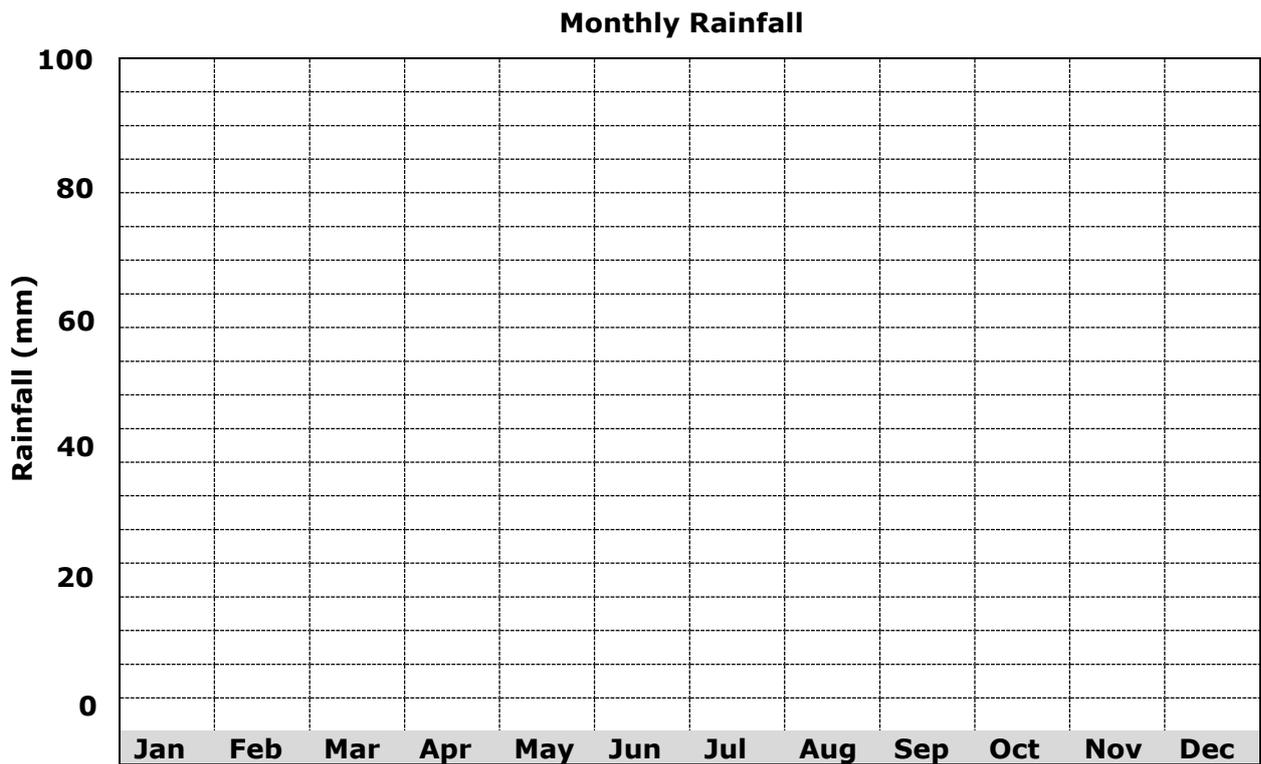
SUBJECT: **Geography**  
 PAPER NUMBER: I – Level 1-2-3  
 DATE: 27<sup>th</sup> May 2025  
 DURATION: 2 hours 5 minutes

Answer **ALL** questions.

- On the grid provided, draw a bar graph to show the average rainfall in millimetres in the Maltese Islands according to the data provided in Table 1.

Table 1: Rainfall data:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rainfall (mm)	79	73	45	21	0	6	0	17	61	82	91	94



(6)  
**(Total: 6 marks)**

***Please turn the page.***

2. Table 2 contains weather forecast data for Malta for 31 October 2024 issued by the Malta Meteorological Office. Write a short weather report based on the data provided in Table 2.

Table 2: Weather forecast data for Malta for 31 October 2024.

Weather Condition	High Temperature (°C)	Low Temperature (°C)	Wind
Possible thunderstorm	24	18	VAR F2-3 bec E. F2-3

(Source: <https://www.maltairport.com/weather>)

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(4)

**(Total: 4 marks)**

3. Refer to the Stevenson Screen in Figure 1 below, then answer the questions which follow:



Figure 1  
(Source: Alamy Stock Photo.)

a. Identify the best location for the placement of the Stevenson Screen.

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(1)

b. Mention **TWO** instruments commonly placed in the Stevenson Screen.

- i. \_\_\_\_\_
- ii. \_\_\_\_\_ (1)

c. Describe in brief the weather associated with a Low Pressure System.

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(3)

**(Total: 5 marks)**

4. a. To which family of rocks do the rock formations shown in Figure 2 belong to?

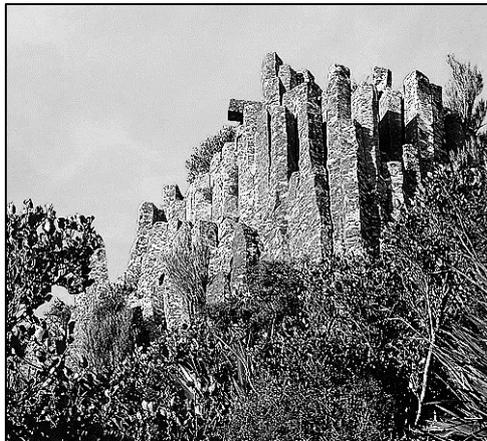


Figure 2

(Source: <https://www.sciencelearn.org.nz/>)

Rock family: \_\_\_\_\_ (1)

b. The Maltese Islands are made from limestone formations. To which rock family does limestone belong to?

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(1)

c. What is Lower Coralline Limestone (qawwi t'isfel/żonqor) mainly used for?

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(2)

d. To which rock family does clay belong to?

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(1)

e. Describe **ONE** industrial use of clay.

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(1)

**(Total: 6 marks)**



6. a. What are constructive waves?

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(2)

b. Describe the main characteristics of destructive waves.

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(4)

c. What type of coast are destructive waves most likely to damage?

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(1)

d. Look carefully at Figure 5 and answer the questions which follow:

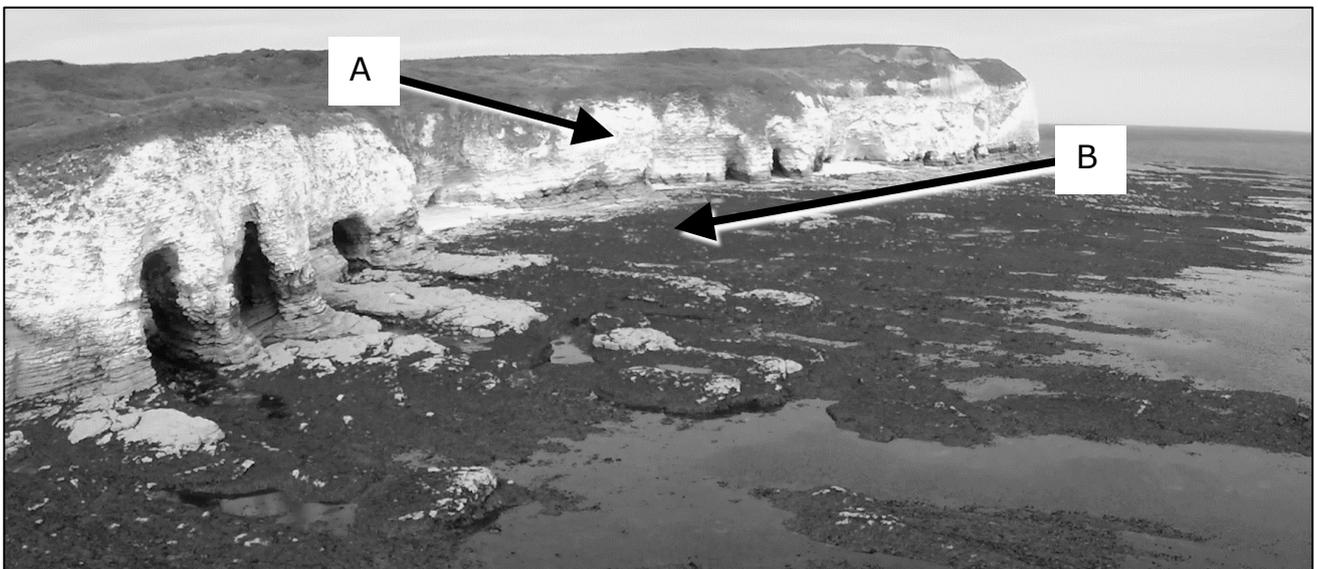


Figure 5: A coastal area experiencing coastal erosion.  
(Source: <https://timeforgeography.co.uk/videos-list/coasts>)

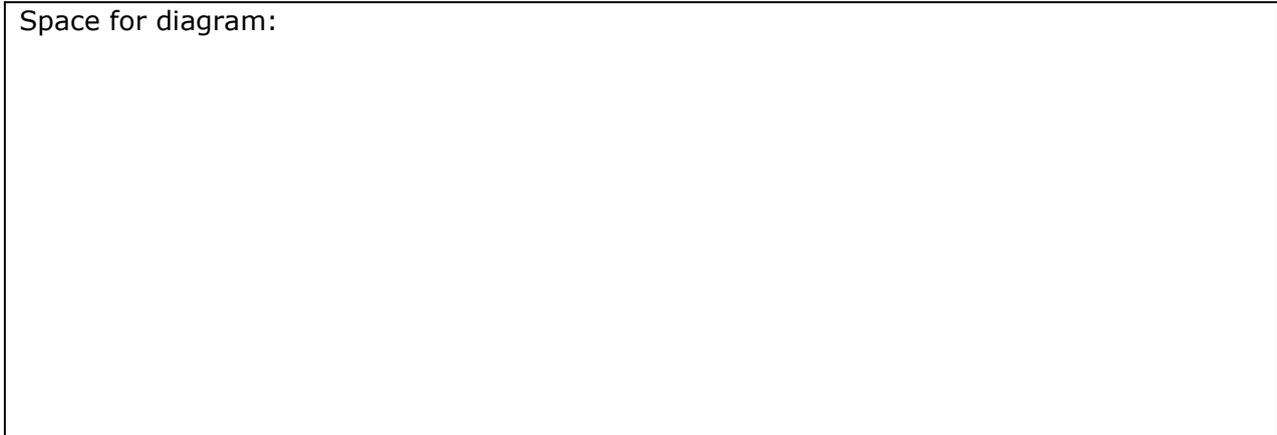
Name the coastal features marked 'A' and 'B' in Figure 5.

i. Feature A: \_\_\_\_\_ (2)

ii. Feature B: \_\_\_\_\_ (2)

e. Explain with the aid of a labelled diagram the formation of coastal feature 'A' in Figure 5 above.

Space for diagram:



(3)

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(3)

**(Total: 17 marks)**

7. a. Give **THREE** examples of **each** of the following types of industry. (9)

	Example 1	Example 2	Example 3
Primary Industry			
Secondary Industry			
Tertiary Industry			

b. The word bank below lists nine elements that are found in farming. List these under their proper heading. (9)

Sewing	Milking	Eggs
Pesticides	Seeds	Pruning
Fruit	Vegetables	Fertilisers

Inputs	Processes	Outputs

**(Total: 18 marks)**

8. a. Explain how the following factors influence the development of a secondary industry.

i. Raw materials:

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(2)

ii. Labour:

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(2)

iii. Site and land availability:

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(2)

***This question continues on next page.***

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iv. Government policy:

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(2)

v. Transportation and road network:

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(2)

b. Discuss **ONE** negative effect a primary industry of your choice has on the environment and Mention **ONE** way by which the negative impacts of this primary industry can be minimised.

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(6)

**(Total: 16 marks)**

9. With reference to the fieldwork component of the SEC Geography syllabus:

a. Identify an area suitable for a fieldwork investigation.

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(1)



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SUBJECT: **Geography**  
 PAPER NUMBER: II – Level 1-2  
 DATE: 27<sup>th</sup> May 2025  
 DURATION: 2 hours 5 minutes

**SECTION A**

Answer **ALL** Questions.

1. Study the topographical map of the island of Comino (Malta), shown in Figure 1, and answer the following questions. The map's key/legend is provided below.

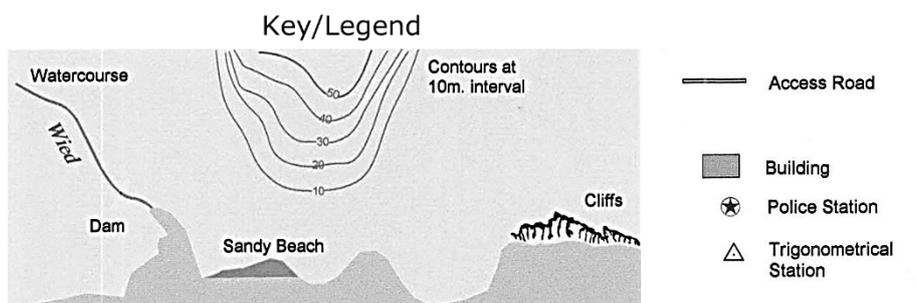
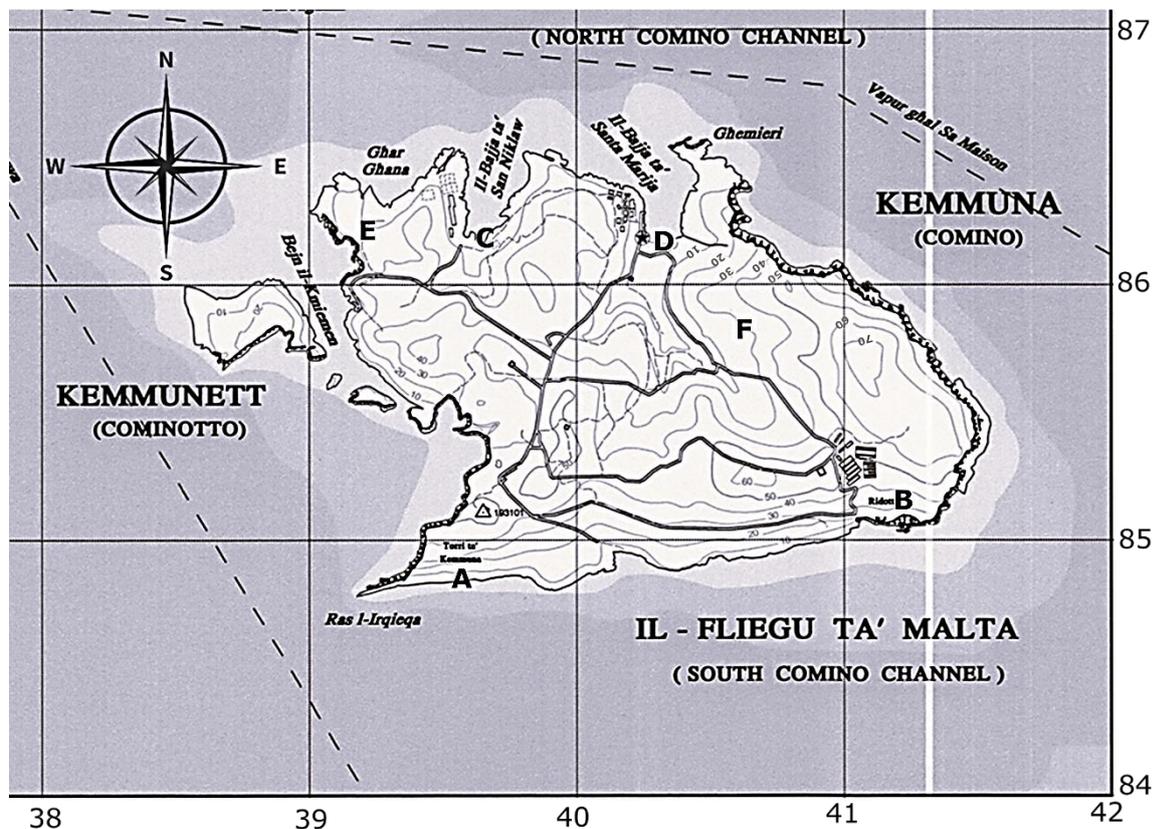


Figure 1: Map of Comino.  
(Adapted from: Planning Authority 25A/2018/G edition.)

a. Underline the correct answer:

i. The grid square for It-Torri ta' Kemmuna marked **A** is (3839; 3984; 3988; 8439). (1)

ii. The grid square for Ridott marked **B** is (8541; 3940; 8640; 4185). (1)

b. Measure the straight-line distance between Place **A** and Place **B**. On the map in Figure 1. 1 centimetre represents 300 metres. Give your answer in metres.

\_\_\_\_\_ (3)

c. What letter is found in grid reference 393862? \_\_\_\_\_ (2)

d. Underline the correct answer:

i. Point **C** is to the (Northwest; West; East) of Point **D**. (1)

ii. Point **E** is to the (South; Southeast; Northwest) of Point **B**. (1)

e. Using the map key in Figure 1, what human feature is found near Il-Bajja ta' Santa Marija (Point **D**)?

\_\_\_\_\_ (2)

f. What is the height above sea level of Point **F**? Give your answer in metres.

\_\_\_\_\_ (2)

g. What type of physical landscape is found throughout most of the Eastern coast of Comino?

\_\_\_\_\_ (2)

**(Total: 15 marks)**

**SECTION B**

Answer **ALL** Questions.

2. a. Figure 2 shows the main processes that are involved in the water cycle. Use the terms provided in the word bank below to add labels to Figure 2. (2.5)

Condensation	Precipitation	Evaporation	Transpiration	Surface runoff
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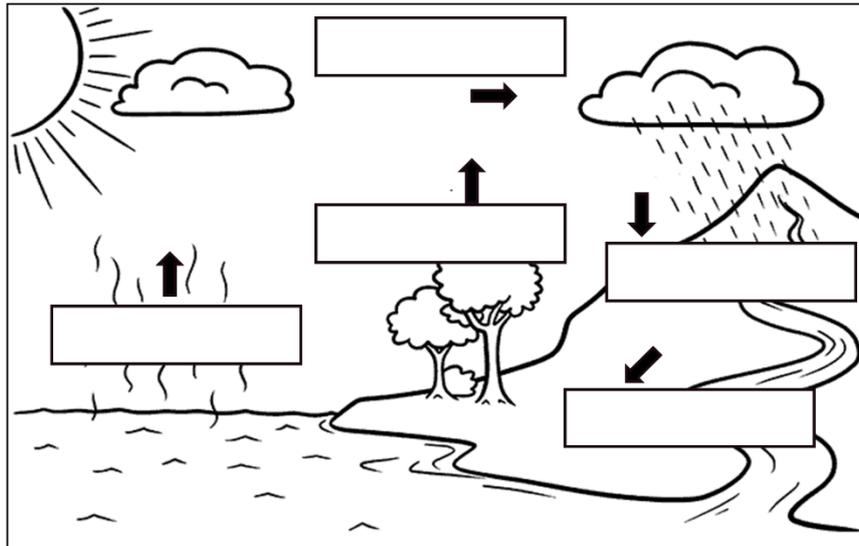


Figure 2: The water cycle  
(Adapted from: <https://easydrawingguides.com/how-to-draw-the-water-cycle/>)

b. There are three types of rainfall: convectional, frontal and relief. Describe the formation of **ONE** type of rainfall and sketch a diagram in the space provided below.

i. Rainfall type: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ (4)

ii.

Space for diagram:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(2)

***This question continues on next page.***

c. Rainfall is closely connected to temperature. Briefly describe the following **TWO** factors that influence the temperature of a place.

i. Latitude:

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(1)

ii. Altitude:

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(1)

**(Total: 10.5 marks)**

3. Coastal areas contain features of coastal deposition and erosion.

a. Figure 3 shows two landforms of coastal deposition. On Figure 3 name these **TWO** landforms. (2)

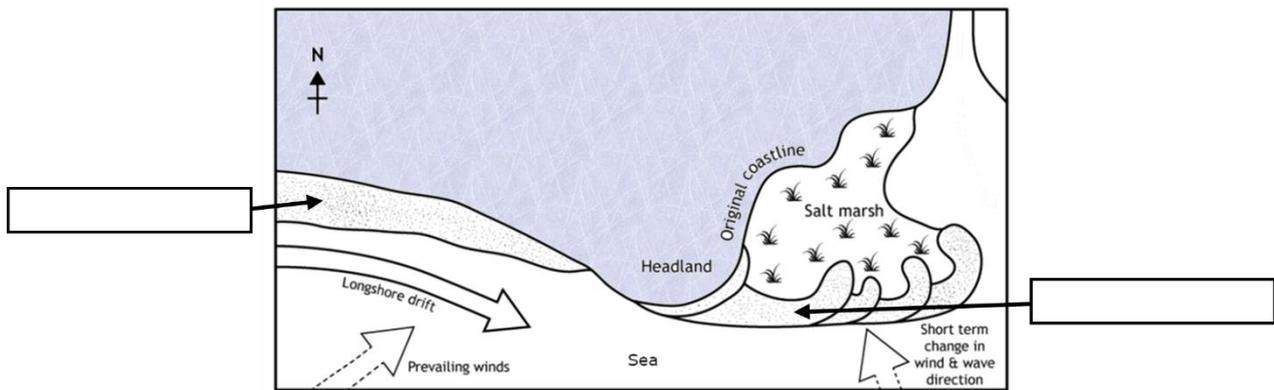


Figure 3: Landforms of coastal deposition.  
(Adapted from: <https://www.gooleacademy.org.uk>)

b. Figure 4 shows three features of coastal erosion. On Figure 4, label the sequence by which these coastal features formed. '1' should indicate the first erosional feature and '3' the last. (1.5)

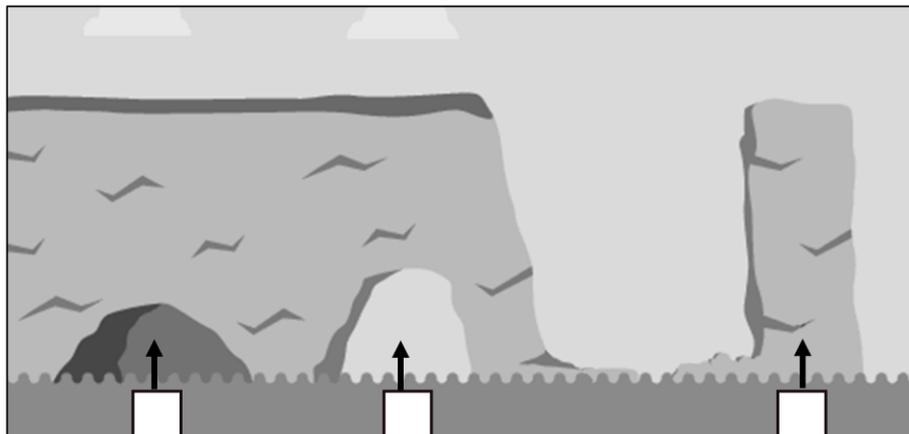


Figure 4: Coastal features created by erosion.  
(Adapted from: <https://quizlet.com/gb/>)

c. Briefly describe the following processes of coastal erosion.

i. Solution:

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(2)

ii. Attrition:

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(2)

**(Total: 7.5 marks)**

4. Earthquakes are sudden and powerful movements of the Earth's crust.

a. Identify **TWO** causes and **TWO** aftereffects of an earthquake.

i. Causes:

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(4)

ii. Aftereffects:

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(4)

***This question continues on next page.***

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b. Describe **TWO** measures that can be taken to reduce earthquake-related damage.

i. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3)

ii. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3)

c. Mention **ONE** example of an active volcano, including its location.

\_\_\_\_\_  
\_\_\_\_\_ (1)

**(Total: 15 marks)**

5. a. Figure 5 shows six river landforms. Identify and write the name of each landform in the spaces provided in Figure 5. (3)

<p><b>Upper course landforms</b></p>	<p>i.</p>	 <p>(Source: <a href="https://www.microfournerds.com/">https://www.microfournerds.com/</a>)</p> <p>_____</p>	<p>ii.</p>	 <p>(Source: <a href="https://geoforcxc.com">https://geoforcxc.com</a>)</p> <p>_____</p>
<p><b>Middle course landforms</b></p>	<p>iii.</p>	 <p>(Source: <a href="https://www.freepik.com/">https://www.freepik.com/</a>)</p> <p>_____</p>	<p>iv.</p>	 <p>(Source: <a href="https://www.webbaviation.co.uk/">https://www.webbaviation.co.uk/</a>)</p> <p>_____</p>
<p><b>Lower course landforms</b></p>	<p>v.</p>	 <p>(Source: <a href="https://www.naturepl.com/">https://www.naturepl.com/</a>)</p> <p>_____</p>	<p>vi.</p>	 <p>(Source: <a href="https://www.youtube.com/">https://www.youtube.com/</a>)</p> <p>_____</p>

Figure 5: River landforms at different courses.

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c. List **FOUR** effects of an oil spillage accident on the environment.

i. Effect 1:

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(1)

ii. Effect 2:

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(1)

iii. Effect 3:

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(1)

iv. Effect 4:

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(1)

d. List **ONE** type of energy generation used in Malta.

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(1)

**(Total: 13 marks)**

7. a. The map in Figure 6 shows a blank world map. On Figure 6 locate and clearly mark with an **(X)** **FOUR** places around the world that have a Mediterranean type of climate. (4)

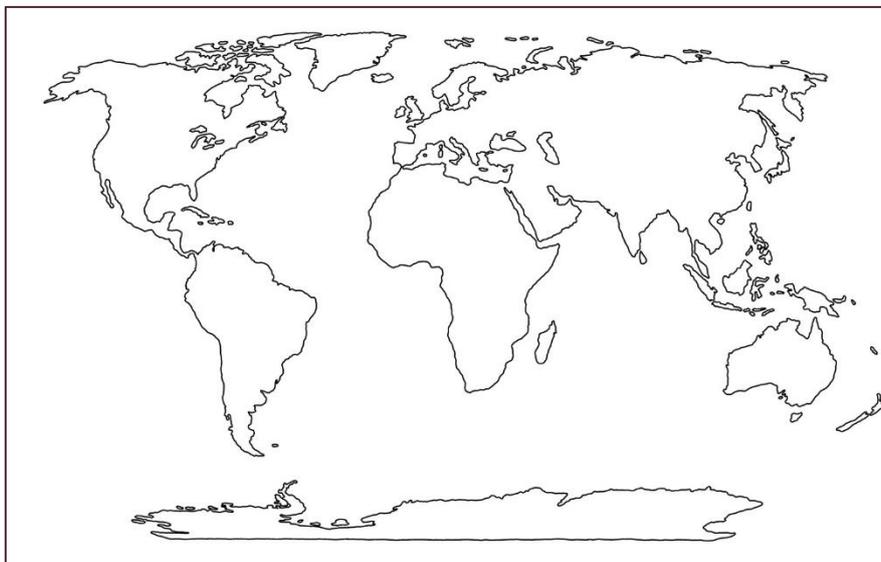


Figure 6: Blank World Map.  
(Source: <https://timvandevall.com/blank-world-map/>)

b. Describe **TWO** main characteristics of a Mediterranean type of climate.

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(4)

c. Mention **THREE** soil characteristics.

i. Characteristic 1:

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(1)

ii. Characteristic 2:

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(1)

iii. Characteristic 3:

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(1)

d. Name **TWO** examples of vegetation typical of a Mediterranean garigue ecosystem.

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(2)

e. Name **TWO** examples of vegetation typical of a Mediterranean woodland ecosystem.

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(2)

**(Total: 15 marks)**

8. a. Figure 7 shows different types of settlement patterns. Use the provided word bank to complete Figure 7 below. (3)

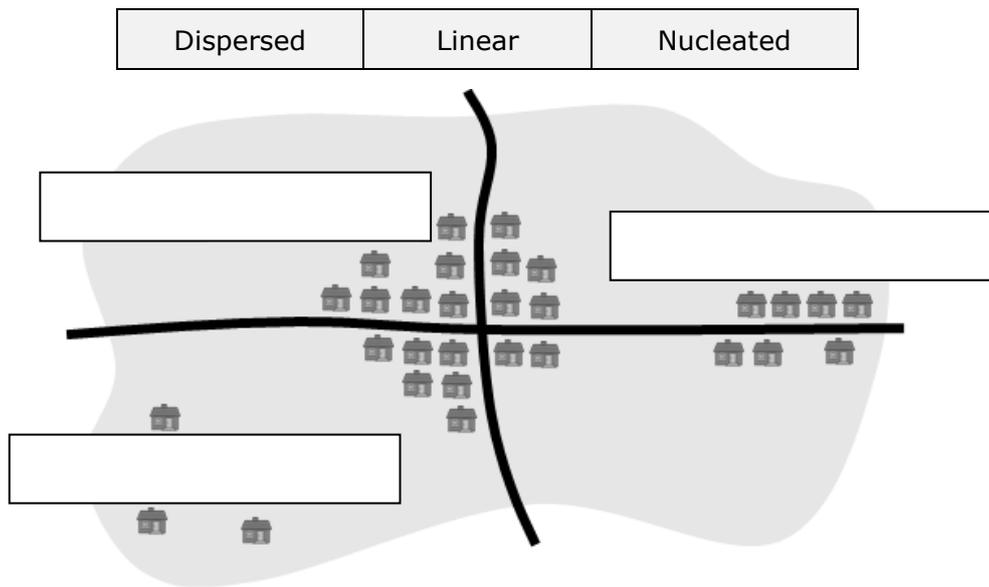


Figure 7  
(Adapted from: <https://gpres.weebly.com>)

b. List **TWO** problems that are common to most cities because of rapid urban growth.

i. Problem 1:

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(1)

ii. Problem 2:

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(1)

c. Briefly describe **TWO** measures to reduce traffic congestion in urban areas.

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(6)

**(Total: 11 marks)**

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9. a. List **TWO** aims of a fieldwork you carried out.

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(1)

b. Write **FOUR** brief points reporting the main findings and/or conclusions of your fieldwork.

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(4)

**(Total: 5 marks)**




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SUBJECT:	<b>Geography</b>
PAPER NUMBER:	II – Level 2-3
DATE:	27 <sup>th</sup> May 2025
DURATION:	2 hours 5 minutes

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**Section A**

Answer **ALL** questions.

1. Study Figure 1 on page 3 and answer the following questions. The map scale is 1:25,000 and the map contours are given in metres.

a. In which grid square is Il-Ponta ta' San Dimitri located? \_\_\_\_\_ (1)

b. Give the six-figure grid reference of the Lighthouse at Ġordan.  
\_\_\_\_\_  
(1)

c. Give the compass direction of San Dimitri (Point **A**) from Ta' Pinu (Point **B**).  
\_\_\_\_\_  
(1)

d. Measure the straight-line distance in kilometres, between Point **C** at Il-Ponta tal-Heġka and Point **D** at Il-Ponta ta' Pinu.  
\_\_\_\_\_  
(2)

e. Use Figure 1 to identify the physical and/or human features marked **E** and **F**.  
i. Feature **E** \_\_\_\_\_ (1)

ii. Feature **F** \_\_\_\_\_ (1)

f. Using the contour lines in Figure 1, as well as the map key, interpret the physical characteristics of the coastal landscape in grid squares 2790 and 2791.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(3)

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g. If you walked northeastwards from grid reference 282924, would you be walking uphill or downhill? How did you reach this conclusion?

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(2)

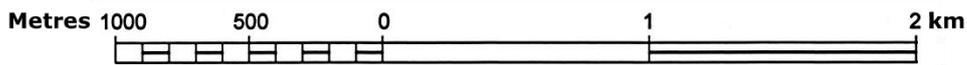
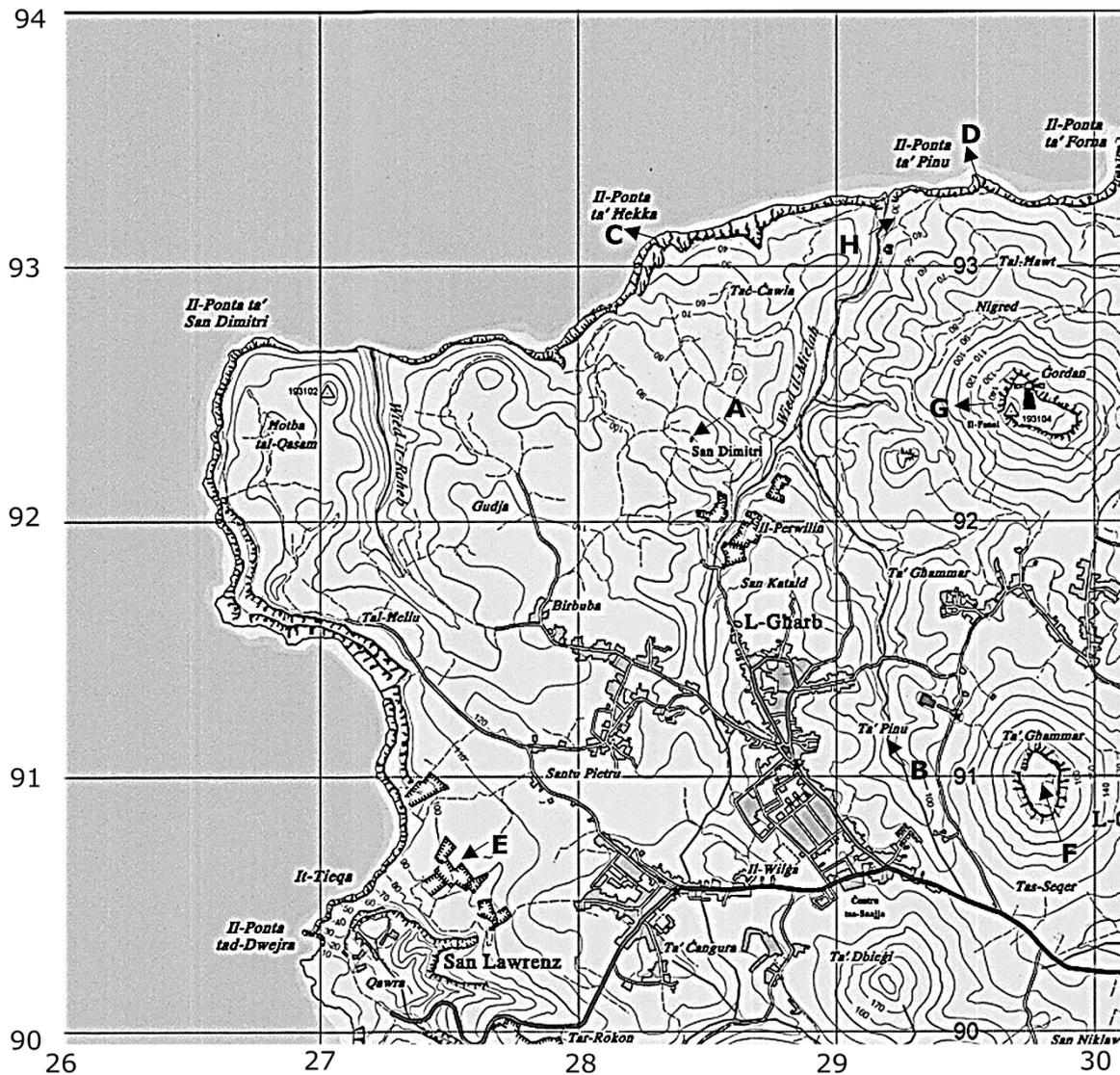
h. Calculate the height difference between Point **G** and Point **H**. Show your working in the box below.

Show your working here:

(2)

Answer: \_\_\_\_\_ (1)

**(Total: 15 marks)**



SCALE 1 : 25,000

Key/Legend

	Building		Museum		Cemetery		Hospital
	Distributor Road		Public/Important Building		Sports Facility		Glasshouse
	Local Access Road		Place of Worship		Public Garden		Aqueduct
	Access Road		Fortification		Water Reservoir		Site of Antiquity
	School		Industrial Building		Lighthouse		Trigonometrical Station
							Police Station
							Heliport

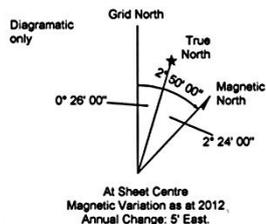
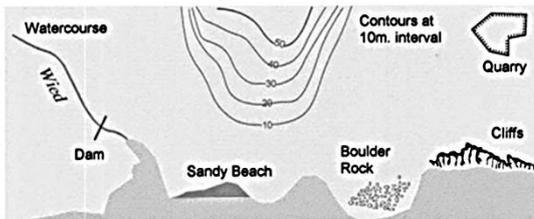


Figure 1 Map extract of Northwest Gozo.  
(Source: Planning Authority 25A/2018/G edition.)

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**Section B**

Answer **ALL** questions.

2. There are several factors which influence the temperature of a place. Explain **TWO** of these factors.

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(6)

**(Total: 6 marks)**

3. a. Coastal areas which experience the accumulation of sediment are said to exhibit numerous coastal deposition landforms. With the help of a labelled diagram, explain the formation of **ONE** coastal deposition landform.

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(4)

Space for diagram:



(2)

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b. Briefly describe the following processes of coastal erosion.

i. Solution:

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(2)

ii. Attrition:

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(2)

**(Total: 10 marks)**

4. a. Briefly describe the characteristics of a river drainage system and river estuary.

i. Source:

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(2)

ii. Watershed:

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(2)

iii. Tributary:

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(2)

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b. Describe **TWO** measures that can be taken to reduce earthquake-related damage.

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(6)

c. Mention **ONE** example of an active volcano, including its location.

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(1)

**(Total: 15 marks)**

6. a. Describe **ONE** advantage and **ONE** disadvantage of nuclear energy as an alternative source of energy.

i. Advantage:

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(2)

ii. Disadvantage:

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(2)

b. Describe **TWO** advantages of fossil fuels.

i. Advantage 1:

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(2)

***This question continues on next page.***

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ii. Advantage 2:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2)

c. Global warming has become of increasing concern to most countries. Briefly describe **ONE** cause of global warming.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2)

d. Discuss **FOUR** effects of climate change on the environment and people, giving appropriate examples.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (8)

**(Total: 18 marks)**



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8. Briefly discuss how the function(s) of a settlement of your choice changed over time.

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(5)

**(Total: 5 marks)**

9. a. Briefly explain the aim(s) of a geography fieldwork you carried out.

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(1)

b. Briefly discuss the data collected in this geography fieldwork.

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(4)

**(Total: 5 marks)**

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