

1. (a) Study Figure 1a. It shows a population pyramid for Japan in 2007.

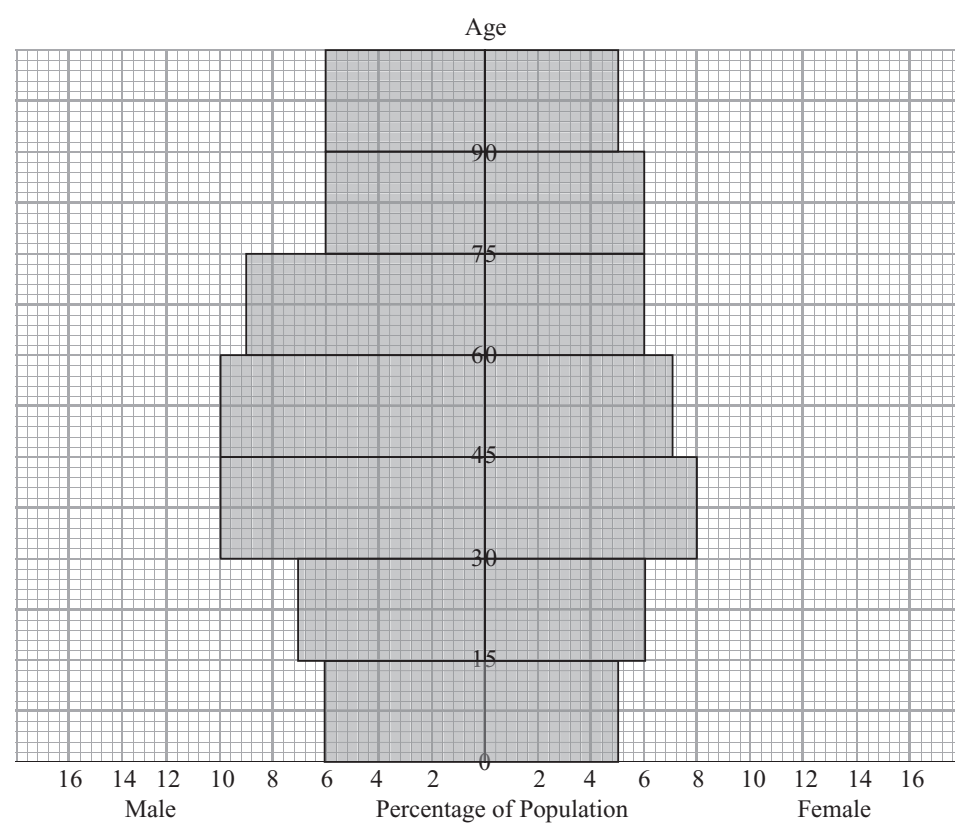


Figure 1a

- (i) Complete the following sentences about Japan's dependant population.

The percentage of Japan's population below the age of 15 is

The percentage of Japan's population over the age of 60 is

(1)

- (ii) The population of a country can be ageing or youthful.

Is the population structure shown in Figure 1a ageing or youthful?

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(1)



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(iii) What are the impacts of this age structure on a country?

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(3)

(b) Study Figure 1b. It shows birth and death rates for four countries in 1995, 2000 and 2005.

Country	Rate per 1000	1995	2000	2005
Angola	Birth rate	48	45	40
	Death rate	26	26	22
United Kingdom	Birth rate	13	12	11
	Death rate	11	10	10
Italy	Birth rate	10	9	7
	Death rate	10	10	11
Japan	Birth rate	10	8	7
	Death rate	7	8	11

Figure 1b

(i) Which country experienced a natural decrease in population in the year 2000?

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(1)

(ii) Between 1995 and 2005, the UK was in one particular stage of the demographic transition model.

Which stage was it in?

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(1)

(iii) Did Japan experience a natural increase or a natural decrease in population between 2000 and 2005?

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(1)





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(iv) Describe the pattern of birth rates and death rates in Angola between 1995 and 2005. Use **data** in your answer.

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(3)

(c) Study the Ordnance Survey (OS) map extract of West Cumbria.
Find the town of Egremont on the west side of the map.

Explain the physical factors that affected the location of Egremont.
Use map evidence in your answer.

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(4)



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(d) Choose an urban area you have studied in an MEDC.

Chosen urban area

Describe and explain the characteristics of its residential zones and industrial zones.

[illegible]

(5)

Q1

(Total 20 marks)



2. (a) Study the OS map and Photograph A in the Resource Booklet. It was taken at grid reference 168148.

(i) Name the two areas of water (lakes) labelled A and E on the photograph.

..... (1)

(ii) Use Photograph A and the OS map to match the letters on the photograph with the correct features of glaciation in the table.
One has been done for you.

Feature	Letter
Ribbon lake	
Corrie lake	
Corrie lip	
Arête	
Steep back wall	C

(4)



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(b) A family went on a walk in the Buttermere area.
Use the OS map and Photographs B, C, D and E to complete the diary of their walk below.
Put a cross (☒) in the correct boxes.

The family started their walk at the car park in Buttermere at grid reference

173169 ☒

164193 ☒

Photograph B ☒
C ☒ was taken at grid reference 174165 facing south west.
D ☒

When they reached grid reference 167155 they had lunch and took Photograph E of Buttermere ☒
Bleaberry Tarn ☒

When they reached Red Pike at grid reference 160154 they had climbed to a height of 641 ☒ metres.
755 ☒

Photograph B ☒
C ☒ was taken from Red Pike.
D ☒

They continued their walk in a south-east ☒
south-west ☒ direction towards High Crag.

At grid reference 187144 they took photograph B ☒
C ☒
D ☒

(6)



H 3 3 8 2 3 A 0 7 2 0

(c) Study Photographs F and G in the Resource Booklet.

The photographs show types of mass movement.

Complete the table below with the correct type of mass movement.

Photograph	Type of mass Movement
F	
G	

(2)

(d) Study Photograph H in the Resource Booklet and the OS map.

The photograph was taken at grid reference 961117.

The flat rocks (wave-cut platform) in the photograph are shown on the map.

(i) Draw the correct symbol for flat rock in the box below.

Flat rock

(1)

(ii) Which of the landforms below are shown on Photograph H?

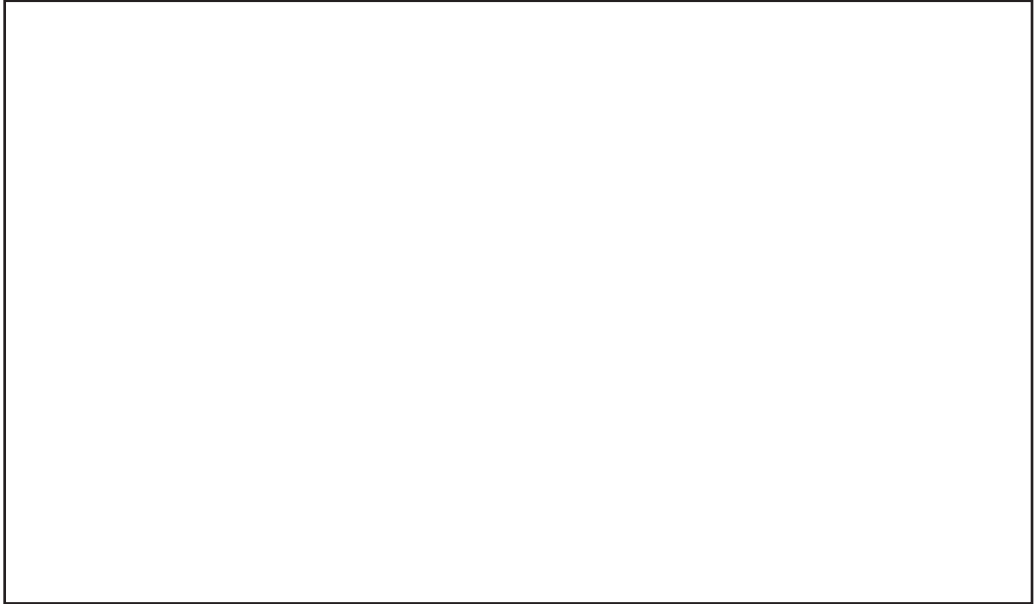
Put a cross (☒) in the correct boxes.

Coastal landform	
Arch	☐
Headland	☐
Beach	☐

(1)



(iii) A wave-cut platform is shown in the photograph.
Describe and explain how this feature is formed.
You may draw a diagram to help your answer.



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(5)

(Total 20 marks)

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Q2

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3. (a) Study the OS map extract.
Complete the table below.
Name the feature and the type of industry identified on the OS map.
The first has been done for you.

Grid square	Name of feature	Type of industry (primary, secondary, tertiary)
9912	Quarry (dis)	primary
9615		
0916		
9612		

(3)

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(b) Study Figure 3a. It shows the employment structure of Cumbria for 1951 and 2001.

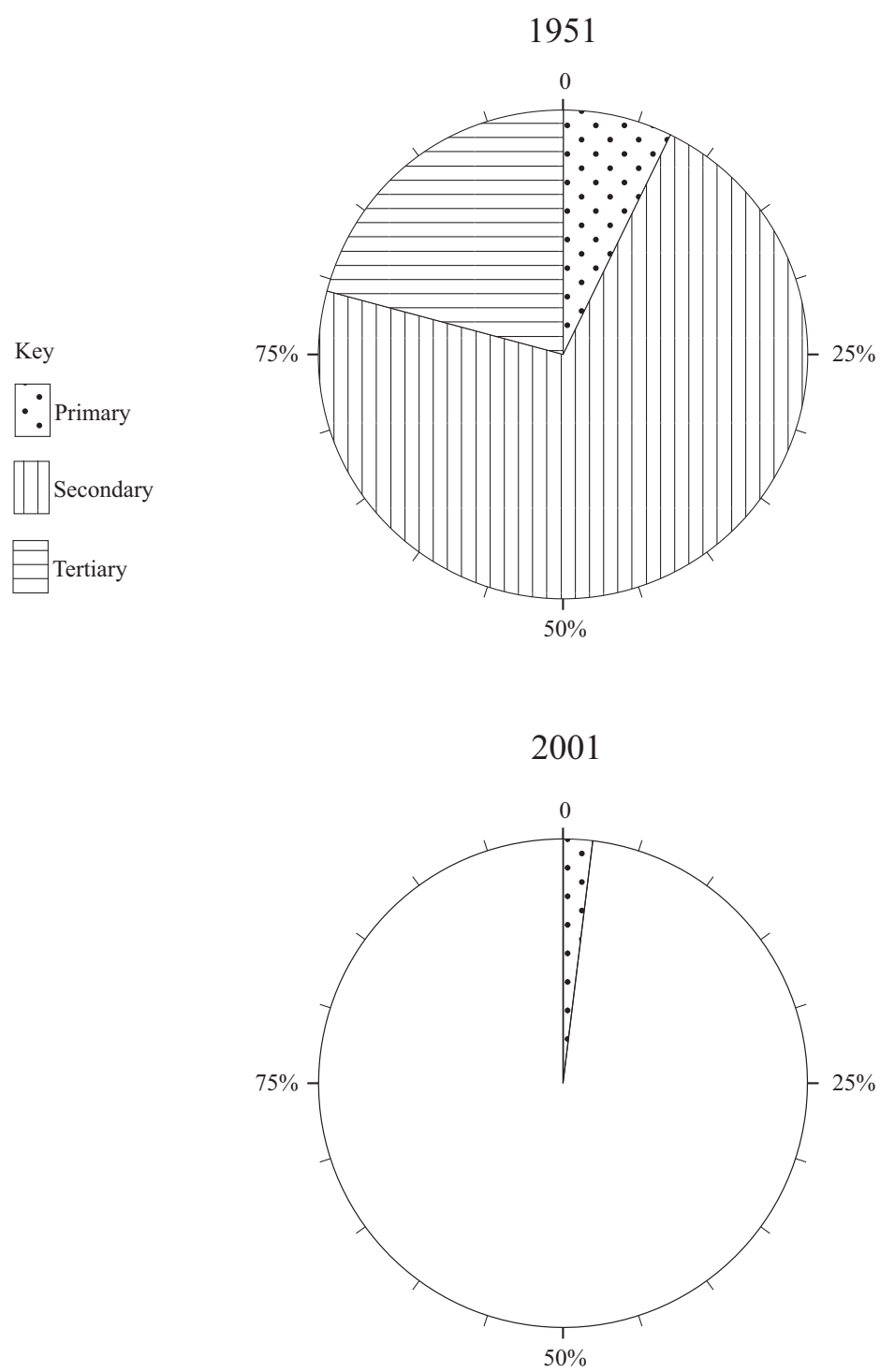


Figure 3a

(i) Complete the pie chart for 2001 using the data in the table.

year	Primary %	Secondary %	Tertiary %
2001	2	23	75

(1)





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(ii) 1. Which sector increased the most between 1951 and 2001?

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(1)

2. Why did this sector increase?

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(3)

(iii) The secondary sector decreased between 1951 and 2001.

Why?

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(2)



- (c) Look again at the OS map. Find Routen Farm in grid square 1016.
- (i) Classify Routen Farm by placing a cross (⊗) in the correct column.
- One has been done for you.

intensive	☒	extensive	☐
arable	☐	pastoral	☐
commercial	☐	subsistence	☐

(2)

- (ii) Justify your answer to part (i).
- Use map evidence in your answer.

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(3)

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H 3 3 8 2 3 A 0 1 3 2 0

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(d) Choose a modern high tech industry or high tech industrial area that you have studied.

Chosen modern high tech industry or high tech industrial area

Describe and explain the factors which have affected its location.

[illegible]

(5)

Q3

(Total 20 marks)



4. (a) Study Figure 4a. It is a weather map of the Northern Atlantic.

Use some of the words below to complete the boxes on Figure 4a.

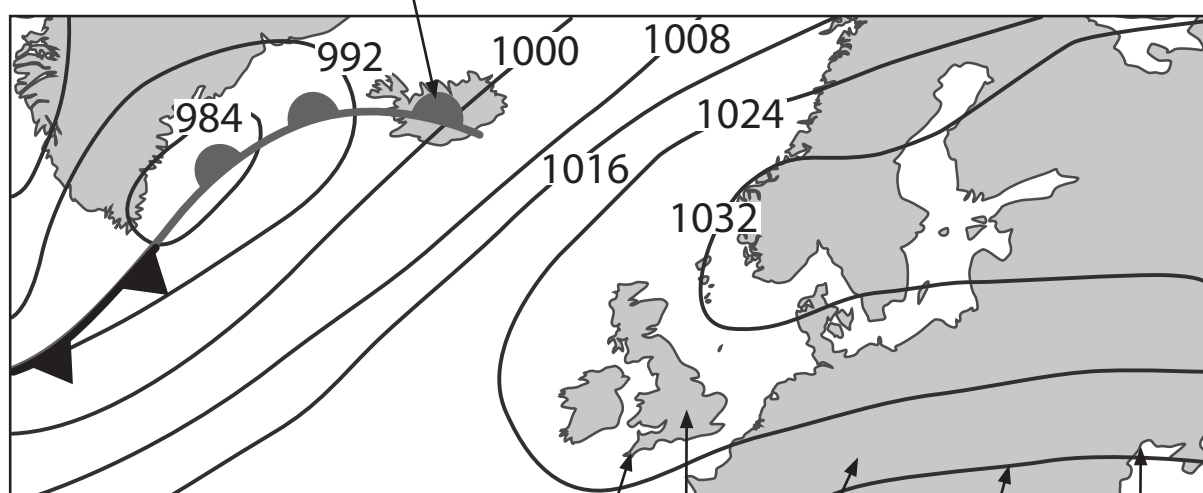
Steady high warm south-west
no north-west low cold

A front is passing over Iceland.

This means that there will be rainfall.

The wind will be blowing from the

The pressure will be



City 1

City 2

City 3

City 4

The UK is experiencing pressure.

This means that there will be rainfall.

Figure 4a

(4)



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(b) Study the table below and Figure 4a. The table contains temperature figures for four cities marked on Figure 4a.

City	January °C	July °C
Plymouth	6	16
Kiev	-7	23
Krakow	-5	21
Frankfurt	0	18

(i) Complete the transect line below by putting the names of the cities in the correct boxes.

WEST

City 1.

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City 2.

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City 3.

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City 4.

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EAST

(2)

(ii) Justify your answer to part (i)
Use data in your answer.

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(4)



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- (c) (i) Study Photograph I. It shows plants in the tropical rainforest.
Explain how these plants adapt to their natural environment.

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(2)

- (ii) Study Photograph J. It shows a buttress root.
Explain how this adaptation helps the tree to survive.

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(2)



H 3 3 8 2 3 A 0 1 7 2 0

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(d) Choose a tropical rainforest area you have studied.

Chosen tropical rainforest area

Describe and explain how the tropical rainforest could be or has been conserved and / or sustainably developed.

[illegible]

(6)

Q4

(Total 20 marks)

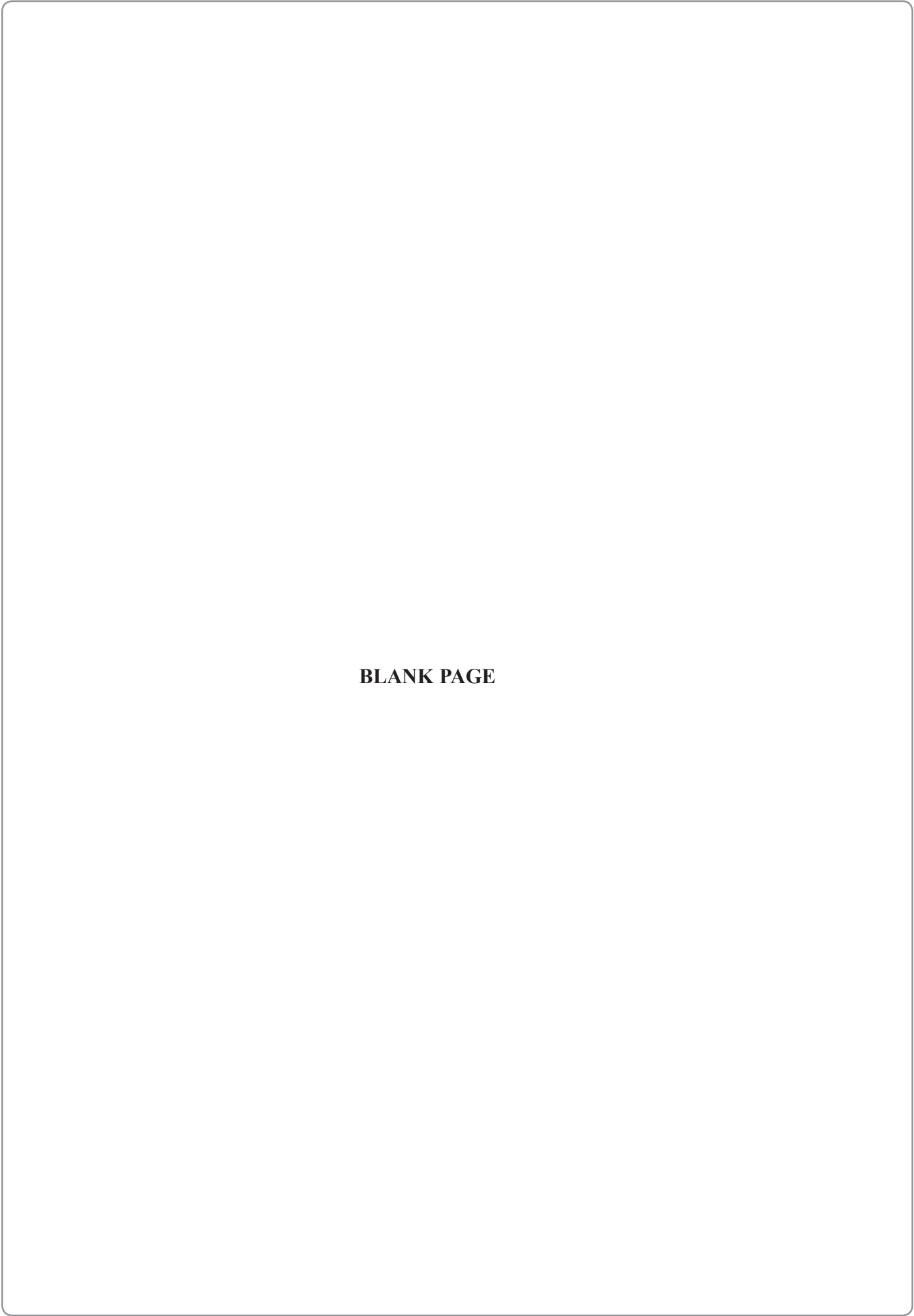
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