

WARNING

You must return this paper with your answer book. Otherwise you will lose marks.

Write your Examination Number here:



Coimisiún na Scrúduithe Stáit State Examinations Commission

JUNIOR CERTIFICATE EXAMINATION, 2019

GEOGRAPHY – HIGHER LEVEL

SECTION 1 – FOLDER (60 marks)

FRIDAY 7 JUNE – MORNING 9:30 – 11:30

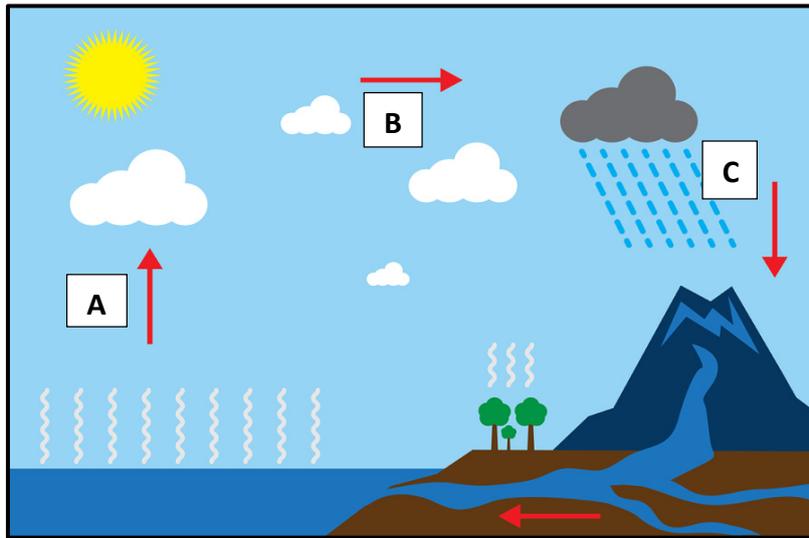
Folder Marking Grid (For examiner's use only)				
Questions		Mark	Examiner	Advising Examiner
	@	3		
	@	2		
	@	1		
	@	0		
Total Mark				

NOTE: SECTION 2 OF THIS PAPER IS SUPPLIED SEPARATELY

SECTION 1 (60 marks)

Answer **ALL** questions.
You have a choice within three questions.
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1. WATER CYCLE



Amended from www.printablediagram.com

Examine the diagram of the water cycle above.

Match each of the letters **A**, **B** and **C** with the stage in the water cycle that best matches it in the table below.

Stage in the Water Cycle	Letter
Condensation	
Precipitation	
Evaporation	

2. WIND

Circle the correct answer in each of the following statements.

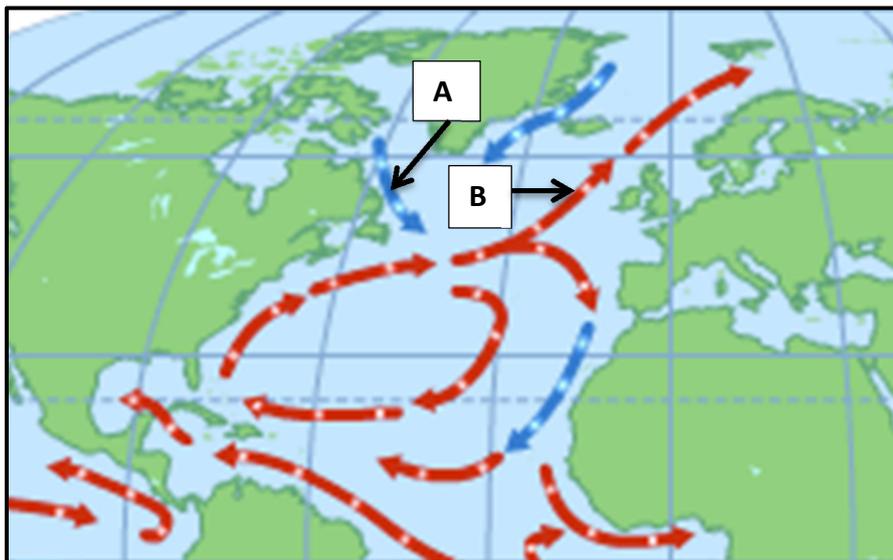
- (i) Winds that blow from the equator towards the poles are **warm winds** / **cold winds**.
- (ii) Stronger winds are shown when isobars are **close together** / **far apart**.
- (iii) Ireland's prevailing wind is from the **north-east** / **south-west**.

3. PRIMARY ECONOMIC ACTIVITIES

Indicate which **three** of the workers listed in the table below are employed in primary economic activities, by circling the correct answers.

Brewer	Hairdresser	Teacher
Farmer	Forestry worker	Baker
Dentist	Miner	Mechanic

4. OCEAN CURRENTS



Amended from www.serc.carleton.edu

Examine the map above and circle the correct answer in each of the following statements.

- (i) The current labelled **A** is called the **Labrador Current / Canary Current**.
- (ii) The current labelled **B** is called the **North Equatorial / North Atlantic Drift**.
- (iii) The current labelled **A** is a **warm / cold** ocean current.

5. IMPACT OF HUMAN ACTIVITY

Circle the correct answer in each of the following statements.

- (i) The clearing of forests is called **afforestation** / **deforestation**.
- (ii) The clearing of forests **increases** / **decreases** the amount of soil erosion which could occur.
- (iii) The amount of carbon dioxide in the atmosphere **increases** / **decreases** due to clearing of large areas of trees.

6. HISTORIC SETTLEMENT



Amended from www.tripadvisor.ie



Amended from www.reddit.com

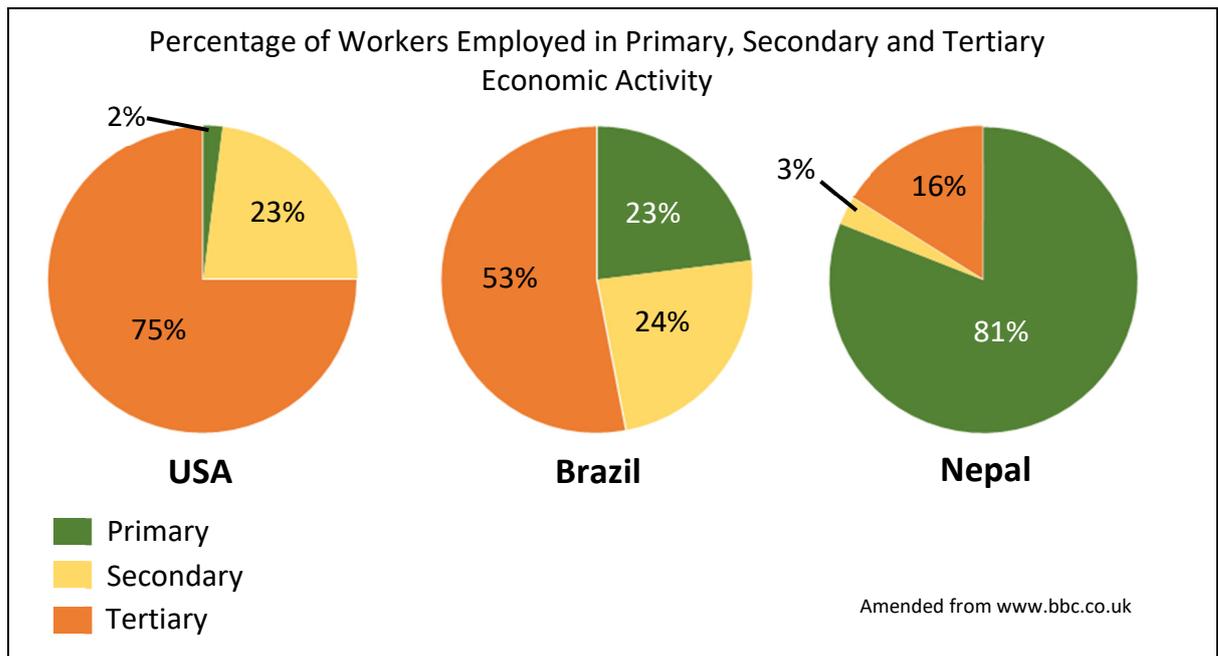


Amended from www.irishantiquities.com

The photographs **A**, **B** and **C** above show examples of historic settlements. Match each of the photographs **A**, **B** and **C** with the historic period most associated with it in the table below.

Period of Historic Settlement	Letter
Early Christian Period	
Norman Period	
Celtic Period	

7. EMPLOYMENT STATISTICS AND DEVELOPMENT



Examine the pie charts above and answer the following question.

Indicate which **three** of the following statements are correct by ticking (✓) the correct box.

1. Brazil is the least developed of the three countries.
2. Nepal has the lowest percentage of workers employed in secondary economic activity.
3. Brazil has just over half of its workforce employed in tertiary economic activity.
4. Nepal is the most developed of the three countries.
5. The USA has the lowest percentage of workers employed in primary economic activity.

1, 2, 3

1, 4, 5

2, 3, 5

2, 4, 5

ANSWER EITHER 8A OR 8B

8A. MANUFACTURING INDUSTRY

Sometimes an industry remains at its original location even though the reasons which led to it locating there no longer exist. This is known as:

- Industrial decline
- Industrial inertia
- Industrial relocation
- Industrial revolution

Tick (✓) the correct box.

OR

8B. FACTORS AFFECTING CLIMATE

One factor which influences the temperature of a place on the Earth's surface is its position relative to the Equator.

This distance north or south of the Equator is called:

- Altitude
- Latitude
- Aspect
- Relief

Tick (✓) the correct box.

ANSWER EITHER 9A OR 9B

9A. RIVERS

In the boxes provided, match each of the letters in **Column X** with the number of its pair in **Column Y**. One match has been completed for you.

Column X		Column Y		X	Y
A	Abrasion	1	Chemicals in water dissolving rocks.	A	
B	Hydraulic Action	2	Stones hitting off each other while being carried by the river.	B	4
C	Solution	3	The river's load hitting against the bed and the banks of the river.	C	
D	Attrition	4	The force of moving water.	D	

OR

9B. MIGRATION

In the boxes provided, match each of the letters in **Column X** with the number of its pair in **Column Y**. One match has been completed for you.

Column X		Column Y		X	Y
A	Asylum seeker	1	A person who migrates into a country.	A	2
B	Internal migrant	2	An immigrant who applies for permission to be accepted as a refugee.	B	
C	Immigrant	3	A person who migrates out of a country.	C	
D	Emigrant	4	A person who moves from one place to another place within the same country.	D	

ANSWER EITHER 10A OR 10B

10A. LAND-USE AND LAND VALUES

Circle the correct option in each of the following statements.

- (i) The Central Business District is located in the suburbs of a city.

True / False

- (ii) Land values increase towards the city centre.

True / False

- (iii) The density and height of buildings decrease moving away from the city centre.

True / False

OR

10B. ACID RAIN



Amended from www.nationalgeographic.com

Circle the correct option in each of the following statements.

- (i) Sulphur dioxide is one of the causes of acid rain.

True / False

- (ii) Acid rain only affects the region where it is produced.

True / False

- (iii) One solution to acid rain is to use non-renewable energy sources. **True / False**

11. IRISH BOGS

Complete each of the following sentences by using the correct term from the table below.

Raised	Ditcher	Grader
Miller	Blanket	

- (i) _____ bogs are mainly found in the midlands.
- (ii) The machine used to drain bogs is called a _____.
- (iii) A _____ is used to scrape the peat from the surface of a bog.

12. FARMING

Which **one** of the following lists contains only examples of processes that take place on a farm?

- Milking, slurry, tractor.
- Harvesting, ploughing, sowing seeds.
- Land, feeding animals, barley.
- Wheat, labour, animal manure.

Tick (✓) the correct box.

13. SETTLEMENT



Amended from commons.wikimedia.org



Amended from www.property.ie



Amended from www.irishtimes.com

Examine the photographs above.

In the space provided, name each of the types of housing **A**, **B** and **C** shown above.

A. _____

B. _____

C. _____

14. ROCKS

Circle the correct answer in each of the following statements.

- (i) Basalt and granite are examples of **igneous rocks** / **metamorphic rocks**.
- (ii) Basalt rock forms when lava cools **quickly** / **slowly**.
- (iii) Granite rock has **small** / **large** crystals.

15. THE RIVER RHINE

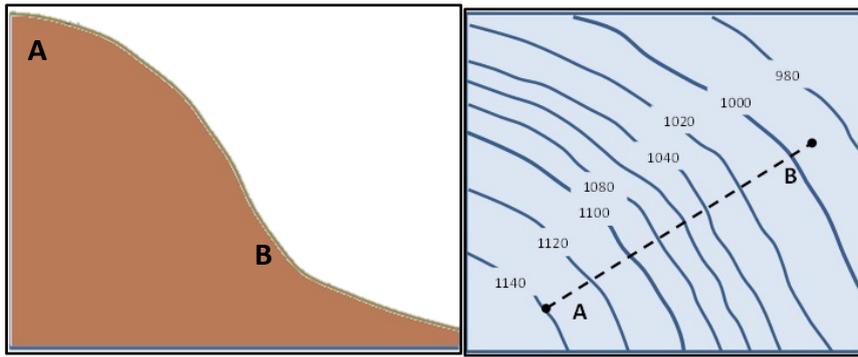
Indicate which **one** of the following statements is correct by ticking the correct box.

The River Rhine rises in Switzerland and enters the sea in the Netherlands.

The River Rhine rises in Switzerland and enters the sea in France.

The River Rhine rises in Germany and enters the sea in the Netherlands.

16. SLOPE



Amended from www.easymapwork.blogspot.com

The slope **A – B** is:

- A concave slope
- A convex slope
- A stepped slope
- An even slope

Tick (✓) the correct box.

17. POPULATION

Population Statistics

	Birth Rate (per thousand)	Death Rate (per thousand)	Natural Change (per thousand)
Country A	8.6	11.7	-3.1
Country B	36.6	10.4	X
Country C	14.1	6.6	7.5

Examine the table above showing birth rates, death rates and natural change in population in countries **A**, **B** and **C**. Answer each of the following questions.

- (i) What is the birth rate (per thousand) in Country **A**? _____
- (ii) Which country has the lowest death rate? _____
- (iii) Calculate **X**, the natural change in population (per thousand) in Country **B**.

18. ORDNANCE SURVEY MAP

Examine the Ordnance Survey map supplied with this paper.

In the boxes provided, match each of the letters in **Column X** with the number of its pair in **Column Y**. One match has been completed for you.

Column X	
A	S 155 713
B	S 071 725
C	S 120 707
D	S 057 706

Column Y	
1	Crossroads
2	Railway station
3	Spot height
4	Ringfort

X	Y
A	
B	4
C	
D	

19. AERIAL PHOTOGRAPH

Examine the aerial photograph supplied with this paper.

Circle the correct option in each of the following statements.

- (i) The main land-use in the left background is **commercial / residential**.
- (ii) There is a car park in the **centre middleground / left foreground**.
- (iii) In the right background of the photograph there is a **church / running track**.

20. ORDNANCE SURVEY MAP

What is the area east of easting 14?

9 km²

18 km²

24 km²

27 km²

Tick (✓) the correct box.