



Coimisiún na Scrúduithe Stáit State Examinations Commission

JUNIOR CERTIFICATE EXAMINATION, 2018

GEOGRAPHY – HIGHER LEVEL

SECTION 2 (90 marks)

FRIDAY 8 JUNE – MORNING 9:30 – 11:30

SECTION 1 of this paper is in a separate folder, where spaces are provided for your answers.

PLEASE REMEMBER TO RETURN YOUR COMPLETED **SECTION 1 FOLDER** WITH YOUR ANSWER BOOK.

SECTION 2 (90 marks)

Answer any **THREE** questions.
All questions carry equal marks.

Question 1. THE EARTH'S SURFACE

1A. Rocks



Amended from An Taisce



Amended from www.dochara.com

Examine the photographs above and answer each of the following questions.

- (i) State whether photograph **A** is an igneous, a sedimentary or a metamorphic rock.
- (ii) State whether photograph **B** is an igneous, a sedimentary or a metamorphic rock.
- (iii) Name an example of a sedimentary rock.
- (iv) Describe and explain how the sedimentary rock named by you in part (iii) above was formed.

(10)

1B. Weathering

Explain, with the aid of a labelled diagram, how rocks are weathered by frost action.

(10)

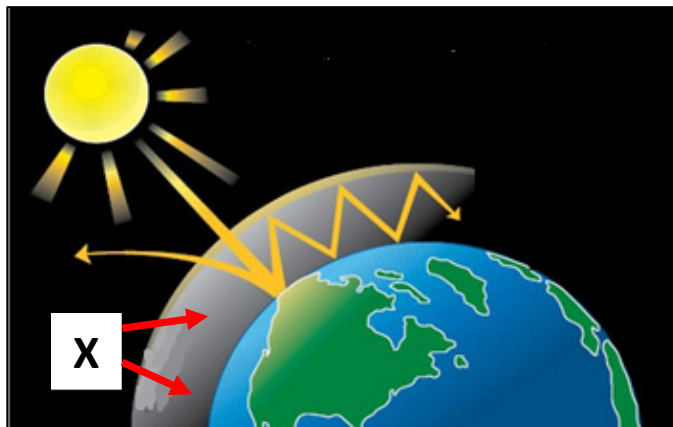
1C. Mass Movement

- (i) Name **one** slow type of mass movement and describe **two** effects of this slow mass movement.
- (ii) Explain the impact of precipitation on mass movement.

(10)

Question 2. THE EARTH'S SURFACE AND OUR PLANET

2A. Greenhouse Effect



Amended from www.ecy.wa.gov

Study the diagram above and answer each of the following questions.

- (i) What is the name given to the envelope of gases surrounding the earth (X)?
- (ii) Explain how the greenhouse effect occurs.
- (iii) Name **two** ways in which the greenhouse effect can be reduced.

(10)

2B. Volcanoes

- (i) Name **one** active volcano.
- (ii) Describe **one** positive effect and **one** negative effect of volcanoes.

(10)

2C. Glaciation and Coasts

Answer either (i) or (ii).

(i) Glaciation

Name **one** feature formed by glacial erosion and with the aid of a labelled diagram, explain how it was formed.

OR

(ii) Coasts

Name **one** feature formed by coastal erosion and with the aid of a labelled diagram, explain how it was formed.

(10)

Question 3. GEOGRAPHICAL MIX

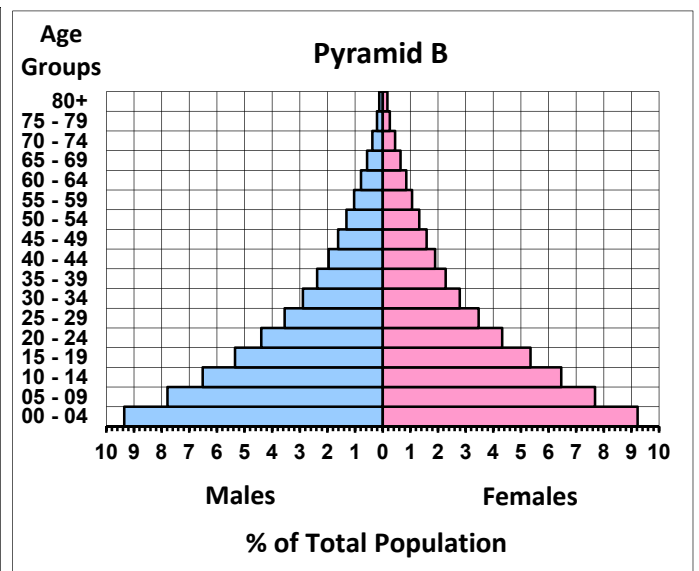
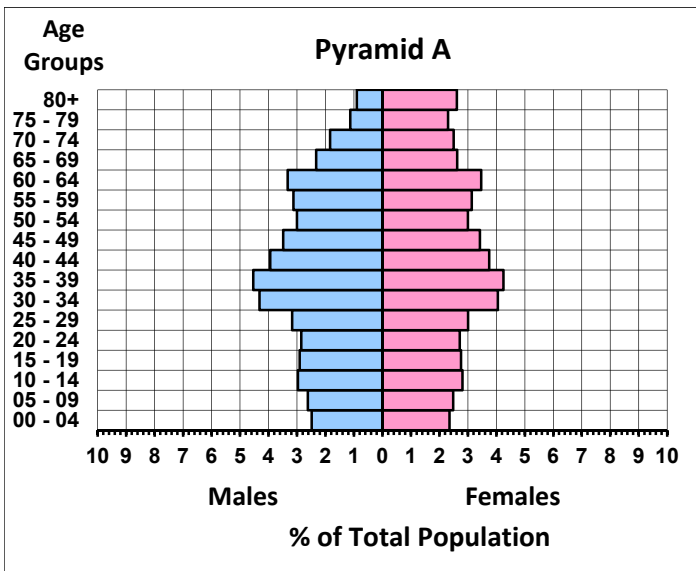
Answer **ANY THREE** of the questions **3A, 3B, 3C, 3D**.

3A. Migration

- (i) Name **one** example of organised migration that you have studied.
- (ii) Explain **two** reasons why this organised migration took place.
- (iii) Describe **two** effects of this organised migration on the area that people migrated to.

(10)

3B. Population Pyramids



Amended from US Census Bureau

Examine the population pyramids above and answer each of the following questions.

- (i) Name **one** country with a population structure similar to Pyramid **A**.
- (ii) Name **one** country with a population structure similar to Pyramid **B**.
- (iii) What percentage of the total population in Pyramid **A** are in the 50 to 54 year age group?
- (iv) Explain **one** reason why Pyramid **B** has a wider base than Pyramid **A**.
- (v) Explain **one** reason why Pyramid **A** is wider at the top than Pyramid **B**.

(10)

3C. Primary Economic Activity



Amended from www.wikimediacommons.com

Examine the map above and answer each of the following questions.

- (i) Name the country labelled **X**.
- (ii) Name the source of energy most associated with country **X**.
- (iii) Describe **two** positive impacts that the exploitation of this source of energy has on country **X**.

(10)

3D. Industry

- (i) State what is meant by the term *footloose industry*.
- (ii) Name **one** example of a footloose industry.
- (iii) Secondary economic activities can give rise to local conflicts.
Name and explain an example of such a conflict.

(10)

Question 4. URBAN GEOGRAPHY

4A. Urbanisation in the Developing World

- (i) Name **one** city in the developing world that you have studied.
- (ii) Explain **two** problems associated with urban growth in this developing world city.

(10)

4B. Urban Renewal

- (i) Explain what is meant by the term *urban renewal*.
- (ii) Explain **two** benefits of urban renewal to local people in an urban area.

(10)

4C. Traffic Congestion



Amended from www.journal.ie

- (i) Describe **one** reason why traffic congestion occurs in Irish cities.
- (ii) Explain **two** different methods of reducing traffic congestion in Irish cities.

(10)

Question 5. ORDNANCE SURVEY MAP AND AERIAL PHOTOGRAPH

5A. Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

Draw a sketch map of the area shown on the Ordnance Survey map.

On your sketch map **show** and **label** each of the following:

- The entire coastline
- The N15 road
- The Drumcliff River
- An area of coniferous plantation.

(10)

5B. Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

- (i) Name, and locate using six-figure grid references, **two** different rural settlement patterns evident on the Ordnance Survey map.
- (ii) Explain why each of the **two** settlement patterns named by you in part (i) above developed at the locations identified by you.

(10)

5C. Examine the **AERIAL PHOTOGRAPH** supplied with this paper.

There are a number of different functions evident on the aerial photograph including:

- Residential
 - Recreational
 - Ecclesiastical
 - Industrial.
- (i) Choose **three** of the functions listed above and using accepted notation, locate an example of each of the **three** functions on the aerial photograph.
 - (ii) Explain why any **one** of the functions chosen by you in part (i) above developed at the location identified by you.
 - (iii) Explain **one** reason why there is limited development in the centre background of the aerial photograph.

(10)

There is no examination material on this page

Junior Certificate 2018 – Higher level, Section 2

Geography

Friday 8 June

Morning 9:30 – 11:30