

## SECTION 2 (90 marks)

Answer any **THREE** questions.

All questions carry equal marks.

### Question 1. ROCKS AND WEATHERING

#### A. Rock Types



[www.gwydir.demon.co.uk](http://www.gwydir.demon.co.uk)



[www.celticmythphodshow.com](http://www.celticmythphodshow.com)



[www.tmaa.go.tz](http://www.tmaa.go.tz)

- (i) State which of the images above **A**, **B** or **C** shows basalt rock.
- (ii) Name a location in Ireland where basalt is found.
- (iii) Describe and explain how basalt is formed.

(10)

#### B. Human Interaction



[www.inhabitat.com](http://www.inhabitat.com)

- (i) Explain **two** advantages of oil and gas exploitation for the Irish economy.
- (ii) Describe **two** problems that may arise from oil and gas exploitation.

(10)

#### C. Weathering

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

(10)

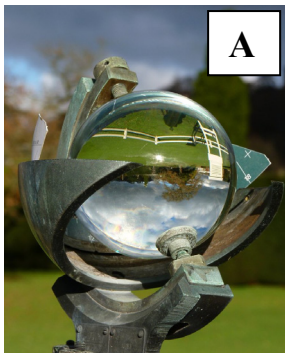
## Question 2. CLIMATE AND WEATHER

### A. Climate Type

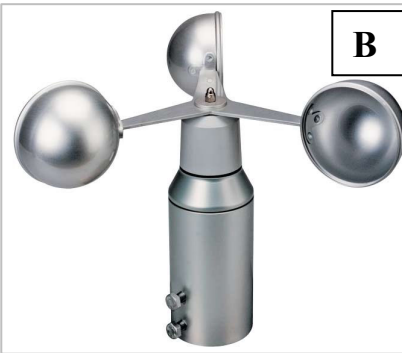
- (i) Name **one cold** climate that you have studied.
- (ii) Explain the temperature **and** precipitation characteristics of this **cold** climate.
- (iii) Describe **one** way that natural vegetation has adapted to this **cold** climate.

(10)

### B. Weather Instruments



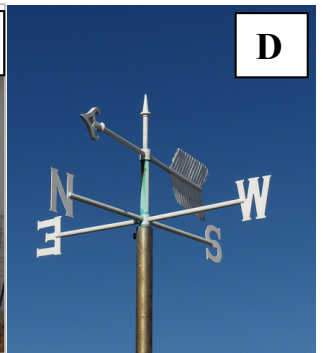
[www.deviantart.com](http://www.deviantart.com)



[www.directindustry.com](http://www.directindustry.com)



[www.wikipedia.org](http://www.wikipedia.org)



[www.flickr.com](http://www.flickr.com)

- (i) Name each of the weather instruments **A**, **B**, **C** and **D** shown above.
- (ii) Choose any **two** of the instruments shown above **and** describe how they are used to record weather.

(10)

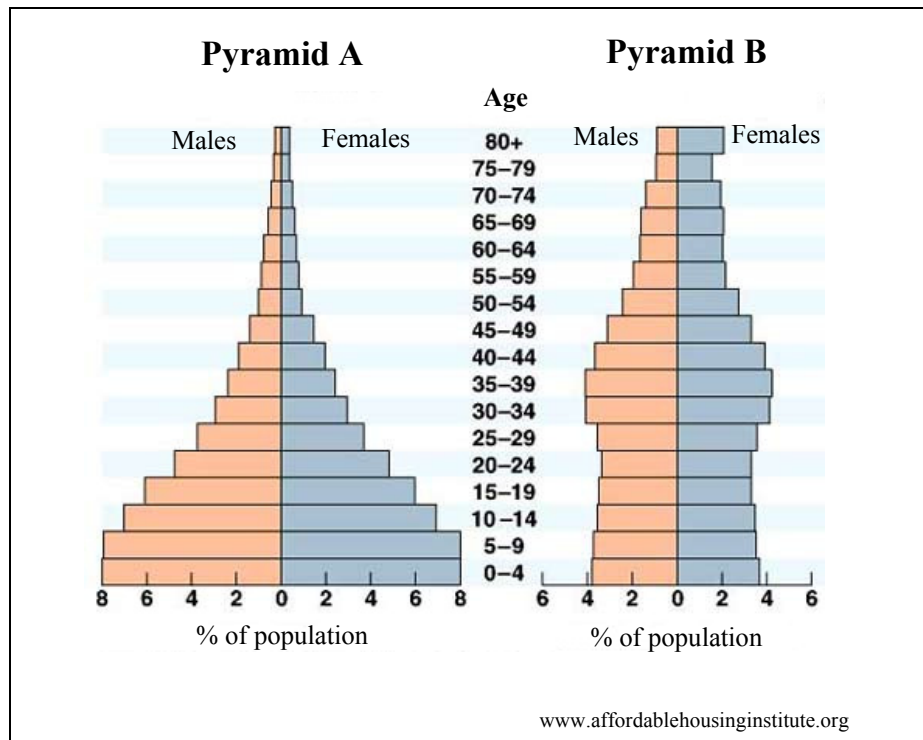
### C. Drought

- (i) Name an area that experiences severe drought **and** explain why drought occurs in this area.
- (ii) Describe and explain the impacts of drought on human activity in this area.

(10)

### Question 3. POPULATION STUDIES

#### A. Population Pyramids



Examine the population pyramids above.

- Describe the impact of birth rates **and** death rates on the structure of each of the **Pyramids A and B**.
- Explain **two** reasons why life expectancy is higher in some countries.

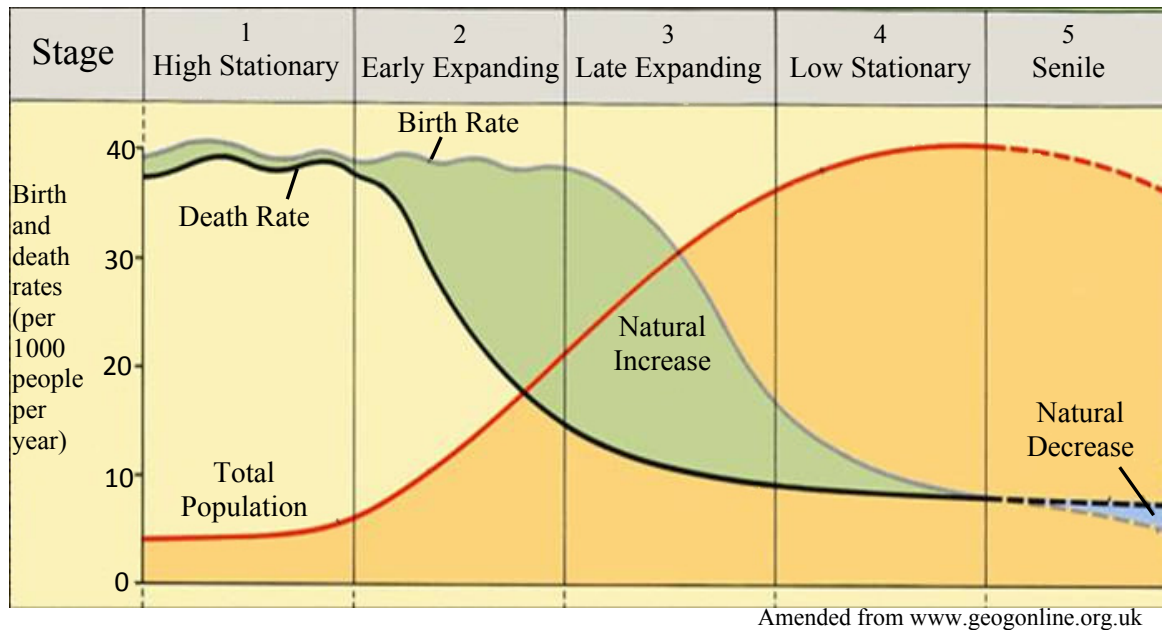
(12)

#### B. Population Density

Describe **two** effects of very low population density in a region that you have studied.

(8)

### C. Population Change



The diagram above shows population change over time.

- (i) What name is given to this diagram that shows population change?
- (ii) Explain each of the following:
  - (a) Why the death rate fluctuates (goes up and down) in Stage 1.
  - (b) Why the death rate declines rapidly in Stage 2.
  - (c) Why there is a natural decrease in population in Stage 5.

(10)

#### Question 4. GEOGRAPHICAL MIX

Answer **ANY THREE** of the questions **4A, 4B, 4C, 4D**.

**4A. ANSWER EITHER (i) or (ii).**

**(i) Glaciation**

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

(10)

**OR**

**(ii) Coasts**

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

(10)

**4B. Aid**

**(i)** What is meant by the term *bilateral aid*?

**(ii)** Describe **one** advantage and **one** disadvantage of providing aid to countries in the developing world.

(10)

#### 4C. Urban Planning



- (i) The photograph above shows an area in Cork city that has undergone urban renewal.  
Explain what is meant by the term *urban renewal*.
- (ii) Name any *new town* in Ireland that you have studied.
- (iii) Describe any **two** characteristics of this *new town*.

(10)

#### 4D. Manufacturing Industry

The location of manufacturing industries is influenced by many factors including:

- Raw Materials
- Labour
- Markets
- Transport
- Capital
- Services
- Government Policies.

Explain how any **three** of the factors listed above influence the location of **one** manufacturing industry that you have studied.

(10)

**Question 5. ORDNANCE SURVEY MAP AND AERIAL PHOTOGRAPH**

- A.** 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 coastline
- The built up area of Dungarvan
- An area of land above 300 metres
- A national primary road.

(10)

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

Explain **three** reasons why the town of Dungarvan is at this location, using evidence from the **ORDNANCE SURVEY MAP** to support each reason.

(12)

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

Explain **two** reasons why tourists might be attracted to this area, using evidence from the **AERIAL PHOTOGRAPH**, to support each reason.

(8)