

# 1st yr geog summer exam revision Qs

## Marking scheme

### Question 1

- (i) Name the country labelled **X**.  
**Country named @ 1m**  
*Saudi Arabia*
- (ii) Name the source of energy most associated with country **X**.  
**Energy named @ 1m**  
*Oil*
- (iii) Describe **two** positive impacts that the exploitation of this source of energy has on country **X**.  
**Two Descriptions @ 4m (St2 + D1 + D1)**  
*e.g. A high standard of living, it has changed the nomadic way of life etc.*

### Question 2

11. 3 @ 1 mark each  
(i) Tertiary (ii) Secondary (iii) Primary

### Question 3

3. 3 @ 1 mark each  
**A.** Evaporation **B.** Condensation **C.** Precipitation

### Question 4

|          |          |
|----------|----------|
| <b>1</b> | <b>B</b> |
| <b>2</b> | <b>C</b> |
| <b>3</b> | <b>A</b> |
| 4        | D        |

### Question 5

- 7B.. 1 @ 3 marks  
(ii) Blow hole, sea cliff, sea stack

### Question 6

- 9A. 3@1 mark each  
Tombolo, Coastal Deposition, Longshore Drift

### Question 7

**Feature Named @ 1m**

**Diagram 1m**

**Two Explanations of Formation @ 4m each (St2+D1+Ref to Diag/Process 1m)**

### Question 8

- 8A. 3 @ 1mark each  
(i) Erosion (ii) Destructive (iii) True

### Question 9

- 9A. 1 @ 3 marks  
Tombolo, Spit, Bar

### Question 10

|   |   |
|---|---|
| X | Y |
| A | 2 |
| B | 3 |
| C | 4 |
| D | 1 |

### Question 11

- 10A. 3 @ 1m each  
(i) Sea arch (ii) Erosion (iii) Hydraulic action

### Question 12

8B. 3 @ 1 mark each

| X | Y |
|---|---|
| A | 4 |
| B | 3 |
| C | 1 |
| D | 2 |

### Question 13

7B. 3 @ 1 mark each

(i) Tombolo (ii) Coastal deposition (iii) Longshore Drift

### Question 14

(ii) **Coasts**

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

**Feature named @ 1m**

**Labelled diagram @ 2m**

**Explanation of formation @ 7m (St2 + D1 + D1 + D1 + D1 + D1)**

**One development mark must be for a process.**

**Features of glacial erosion:** Cirques, Arete, Pyramidal Peak, U-Shaped Valley, Ribbon Lake, Hanging Valley, Fiords and Paternoster Lakes etc.

**Processes:** Plucking, Abrasion, Freeze Thaw etc.

**Features of coastal erosion:** Cliffs, bays and headlands, cave, arch, stack, stump, blowhole, wave cut platform etc.

**Processes:** Hydraulic action, abrasion, compressed air, attrition, solution, destructive waves etc.

### Question 15

a.

| Number | Feature   |
|--------|-----------|
| 1      | Meander   |
| 2      | Bay       |
| 3      | Delta     |
| 4      | Headland  |
| 5      | Sea Stack |

### Question 16

i.

Coastal Erosion

## Question 17

**b.**

Dear Councillor,

**i.**

I am writing to you today as I am concerned about the future of this coastal area and that there may be a collapse. There are a number of ways that coastal areas can be protected either by rock armour, sea walls, gabions or groynes. However, I would suggest that the council use Rock armour along the base of the cliff.

**ii.**

Rock armour are large boulders of resistant rock, like basalt as an example. These large boulders are placed in front of the land to protect the land and the road directly behind the land from the force of the destructive waves. It is the destructive waves that are causing undercutting, leading to an overhang and collapse. Eventually the coastline begins to retreat, which is what is happening here. When rock armour is put in place, a destructive wave crashes into the boulders it then loses its force and hydraulic action is reduced and so the coastline is protected from erosion. Rock armour is a quick and cheap way to protect our coastline. This has worked in other places around Ireland such as Lahinch in County Clare.

Thank you for reading my letter

Kind regards,

(Name)

## Question 18

### Question 3

| 44 marks |  |                       |
|----------|--|-----------------------|
| (a)      |  |                       |
| (i)      | Each answer worth 2m each  |                       |
|          | Headland   | 2 (given in question) |
|          | Sea stack  | 3                     |
|          | Beach  | 1                     |
|          | Cliff  | 5                     |
|          | Bay  | 4                     |
| (ii)     | Reason named and one valid point of description<br>N3 + VP3 = 6 marks<br><br>Reasons could include:<br>Near a beach, beautiful scenery etc.  | 6                     |
| (iii)    | Four valid points of explanation<br><br>VP3 + VP2 + VP2 + VP2 = 9 marks<br><br>A relevant labelled diagram can count as one VP or be combined with information in the written answer to make one full valid point. | 9                     |

## Question 19

### Question 1

| 32 marks |           |   |
|----------|-----------|---|
| (a)      |           |   |
| (i)      | Quartzite | 3 |
| (ii)     | Limestone | 3 |
| (iii)    | Granite   | 3 |

## Question 20

### Question 6

| 32 marks |   |   |
|----------|---|---|
| (a)      |   |   |
| (i)      | 70 (%)  | 3 |
| (ii)     | Coal  | 3 |
|          | Peat  | 3 |
| (iii)    | Full explanation for 4 marks<br>Partial explanation for 2 marks | 4 |

## Question 21

ii.  
Basalt

iii.  
True

## Question 22

14. 3 @ 1 mark each  
(i) Igneous rocks (ii) Quickly (iii) Large

## Question 23

5. 3 @ 1 mark each

| X | Y |
|---|---|
| A | 3 |
| B | 2 |
| C | 1 |
| D | 4 |

#### Question 24

1. 3 @ 1 mark each  
(i) Sandstone (ii) Sedimentary (iii) County Cork

#### Question 25

2. 3 @ 1 mark each  
(i) Metamorphic (ii) Igneous (iii) Sedimentary

#### Question 26

##### **B. Human Interaction**

- (i) Explain **two** advantages of oil and gas exploitation for the Irish economy.

**Two Advantages @ 3m each (St2 +D1)**

- (ii) Describe **two** problems that may arise from oil and gas exploitation.

**Two Problems @ 2m each (St1 +D1)**

(10)

#### Question 27

- 7A. 3 @ 1 mark each  
(i) Saudi Arabia (ii) Oil (iii) Non-renewable



### Question 28

#### 3D. Energy

(10)

- (i) Name **one** example of renewable energy.  
**Example named @ 1m**
- (ii) Explain any **two** physical (natural) factors that are required for the generation of energy using the renewable energy source named in part (i) above.  
**Two factors explained @ 3m each (St1 + D1 + D1)**
- (iii) Explain **one** advantage of renewable energy.  
**Advantage explained @ 3m (St1 + D1 + D1)**

### Question 29

4. 3 @ 1 mark each  
(i) True (ii) False (iii) False

### Question 30

4. 3 @ 1mark each  
(i) Active (ii) Igneous (iii) Basalt

### Question 31

14. 3 @ 1mark each  
Any Valid Answer

### Question 32

1. 1 @ 3 marks  
Sandstone, limestone and shale

### Question 33

1. 3 @ 1 mark  
Basalt, Igneous, Limestone

### Question 34

14. 1 @ 3marks  
Oil

### Question 35

2. 3 @ 1mark  
1 = sandstone  
2 = granite  
3 = metamorphic