



National  
Qualifications  
2026

**X833/77/11**

**Geography**

THURSDAY, 23 APRIL

9:00 AM – 11:30 AM

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**Total marks — 50**

**Attempt ALL questions.**

Marks will be given for appropriately labelled sketch-maps and diagrams.

You must use the supplementary items and tracing overlays provided for annotation or as a base for diagrams. These resources should be placed inside the front cover of your answer booklet.

You should use the atlas provided.

Write your answers clearly in the answer booklet provided. In the answer booklet you must clearly identify the question number you are attempting.

Use **blue** or **black** ink. You may use pencil for the completion of Supplementary item B — tracing overlay.

You must leave your answer booklet on your desk; if you do not, you could lose all the marks for this paper.



\* X 8 3 3 7 7 1 1 \*



Total marks — 50  
Attempt ALL questions

### Question 1 — Map interpretation

To answer this question you will need to use:

- Supplementary item A — Ordnance Survey (OS) Map Extract Newport
- Supplementary item B — tracing overlay
- Supplementary item C
- the atlas provided.

You should make detailed use of the whole map extract as well as using your atlas appropriately. You should also carefully read the information in the text boxes.

Online shops need large distribution warehouses to store, pick, pack and send orders to customers.

There is a proposal to build a new distribution warehouse to serve Wales and the South-West of England. This would employ 1500 people in full time positions. In addition to the large storage space, there will be offices, training rooms and staff cafes. There will also be outdoor space for 100 lorries and an employee car park.

(a) Study Diagram 1 (Supplementary item C)

- (i) On the tracing overlay (Supplementary item B) **draw** accurately to scale a suitable site for the distribution warehouse. The size of the proposed site, including parking, is to be 450 m × 300 m. 3
- (ii) Using map evidence, **explain** the reasons for your choice of site. You may wish to annotate your tracing overlay to support your answer. 5
- (iii) **Discuss** the **positive** impacts the distribution warehouse may have on local people. 4

- (b) **Suggest** how the design and layout of the distribution warehouse could be built sustainably. 3

The coastline of South Wales has a varied landscape, diverse wildlife and historical interest. The Wales Coast Path was opened in 2012 to encourage more locals and tourists to enjoy the area shown on the map extract. 3 million people visit each year.

- (c) **Explain** why this part of South Wales is suitable for tourism and recreation. You may wish to refer to the whole map extract and your atlas in your answer. 5

**Question 2 — Gathering and processing techniques**

To answer this question you will need to use:

- Supplementary item A — Ordnance Survey (OS) Map Extract Newport.

Pollution and some modern farming methods can affect soil properties such as pH, texture, moisture, infiltration, and organic content.

The council is increasingly concerned about soil quality in the local area. This area of South Wales is mostly arable farming. The council plans to carry out soil analysis on farms across the region.

- (a) Using map evidence, **explain** an appropriate sampling method, or methods, that could be used for this investigation. **4**
- (b) **Describe** how these soil analysis techniques could be carried out. **6**

[Turn over

### Question 3 — Geographical data handling

To answer this question you will need to use:

- Supplementary item D
- the atlas provided.

Various organisations agree that urgent action is needed to reduce plastic waste that pollutes the land, flows into rivers, and ends up in oceans.

As a result, the World Bank has launched an investigation into the changes in the volume of plastic waste being produced in Asia between 2014 and 2024.

(a) Study Diagrams 1 and 2 (Supplementary item D).

(i) **Describe** the changes in plastic waste between 2014 and 2024. 4

(ii) The data shown in Diagrams 1 and 2 is presented in choropleth maps.

**Discuss** an alternative graphical or map-based technique that could be used to show changes in plastic waste between 2014 and 2024. 3

(b) Study Diagrams 3 and 4 (Supplementary item D).

(i) **Suggest** reasons which could account for the changes in the volume of plastic waste produced between 2014 and 2024. 5

(ii) The World Bank have applied standard deviation to both data sets.

**Evaluate** the suitability of using standard deviation to investigate changes in the volume of plastic waste. 3

Kerala, a state in Southwest India, generates about 450 tonnes of plastic waste per day. The practice of burning, burying, and dumping plastic waste is a growing issue.

Kerala has a complex network of streams, lakes and canals connecting densely populated areas. Many people depend on fishing and tourism as their main source of income.

(c) Study Diagram 5 in Supplementary item D.

**Explain** the possible **negative** impacts of plastic waste on Kerala's people and environment. 5

[END OF QUESTION PAPER]