

EXAMINATION PAPER

13 + Academic Scholarship 2023

Geography – General Paper

Time allowed: 1 hour 30 minutes

Name: _____

Instructions

- Also needed
 - 1:25 000 OS map extract of Pembrokeshire, Wales.
 - Map Key
 - Answer the following:
 - **ALL** questions in **Section A**.
 - **ONE** question from **Section B** (B1 or B2)
 - **ONE** question from **Section C**.
 - Answer on lined paper. Write your name clearly at the top of each sheet of paper that you use.
 - The marks available for each question are shown in brackets; the length of each answer relate to the number of marks and this should guide you on how much time to spend on each.
 - You are expected to write clearly and accurately throughout each of your answers. You should leave some time towards the end of the examination to check your work carefully.
 - Credit will be given for the use of examples, labelled maps and sketches/diagrams, where used appropriately.
 - The maximum number of marks for this paper is **60**.
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Section A: Applied Map Work

Refer to Map Extract of Pembrokeshire, Wales

You should attempt all questions in Section A. There is a map key on the reverse of the map. You may write on the map if you need to.

1. Study the map extract of Pembrokeshire in South-West Wales (1:25,000 scale) and identify the following.

- a. The 4-figure grid reference of the Bishops Place west of St David's. [1 Mark]
- b. The height of the spot height in grid 74,24. [1 Mark]
- c. The vegetation type is found in grid 772,267 [1 Mark]
- d. What would you find at grid 727,258 [1 Mark]
- e. What direction is St David's City Gold Club (73,26) from St David's City? [1 Mark]
- f. Estimate the distance, as the crow flies, from the Life Boat Station (724,252) to the City Hall (754,253). [1 Mark]
- g. Name two facilities you would find at grid 757,253 [2 Marks]
- h. You follow the coastline north from the Life Boat Station to the St David's Golf Club. Name the route you have walked along. [1 Mark]
- i. Describe the relief of the land along the River Alun in grid 74,24. [3 Marks]
- j. Look at the map and identify two types of economic activity that you can see in this area. [2 Marks]
- k. Using map evidence, identify features that support the economic activity that you have identified above. [2 Marks]
- l. Using the map, identify two coastal natural landforms, one formed by erosion and one formed by deposition. Give a six-figure grid reference of each example. [4 Marks]

[Total marks for section A = 20 marks]

Section B: Applied Physical and Human Geography

Choose **one** question from this section *either* B1 or B2

Section B1 (Applied Physical Geography)

1. Study Figure B1 which shows the long profile of a river.

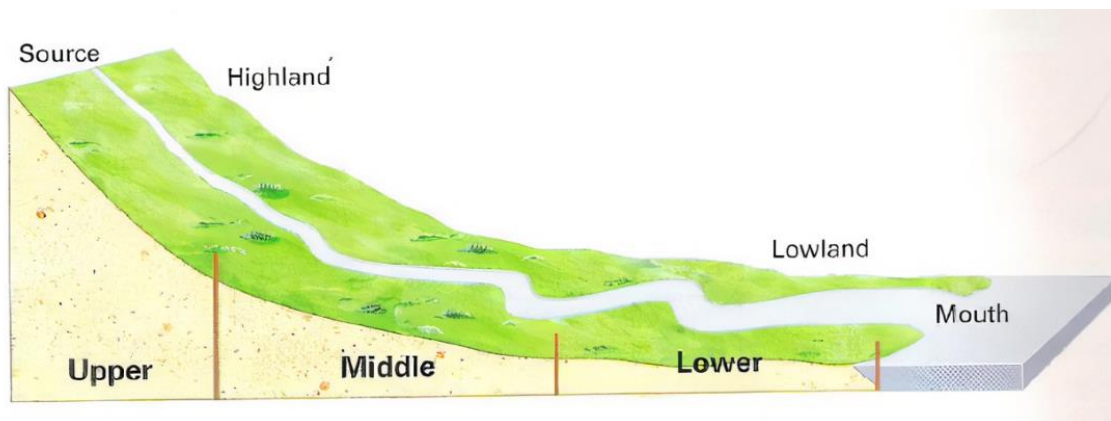


Figure B1

- a. Name one feature you would expect to find in the upper course of the river? [1 Mark]
- b. On Figure B1 mark where you might find a delta? [1 Mark]
- c. Outline two ways in which a river transports its load. [4 Marks]
- d. In which course of the river might you find a meander? [1 Mark]



Photo B2 – Flooding in York (BBC News)

- e. Using evidence from Photo B2, outline why flood defences may be needed in York
[4 Marks]
- f. Using Photo B2, or your own examples, explain the positive and negative impacts of flood defences in urban areas.
[6 Marks]
- g. How might flooding have positive impacts in a river basin or coastal region. *[3 Marks]*

[Total marks for question B1 = 20 marks]

[DO NOT answer this question if you have just answered B1]

Section B2: (Applied Human Geography)

2. Study Figure B2 below.

GDP per capita, 2020
Measured in constant international-\$.

Our World
in Data

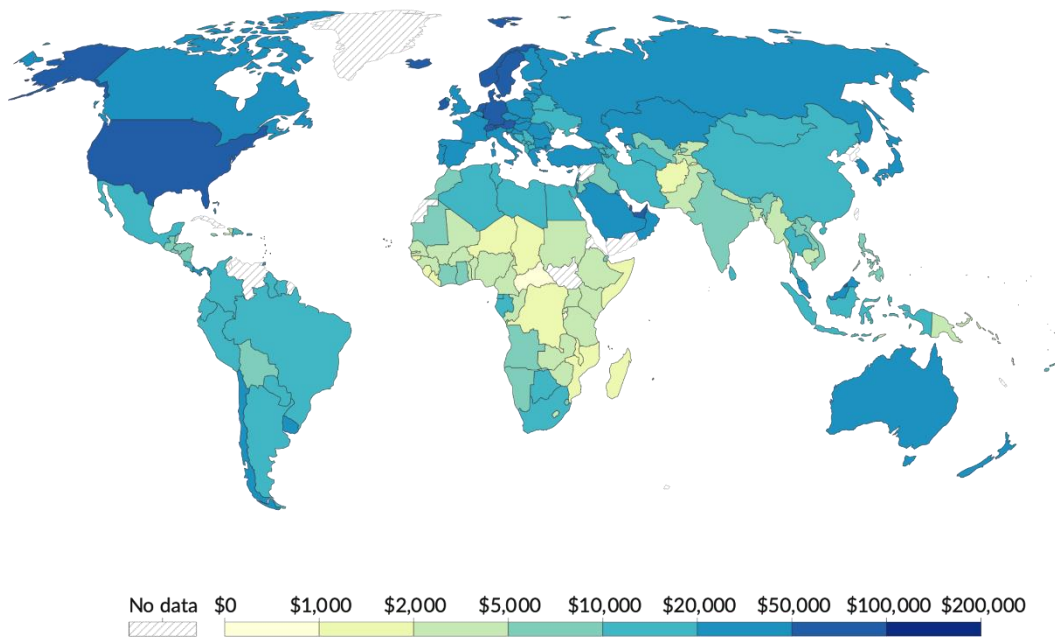


Figure B2: A map showing GDP per capita (per person) in the year 2020.

GDP, or gross domestic product, is an indicator of wealth. It is measured per capita, meaning per person, which gives a good indication of how much money a country has compared to its population.

- Describe the patterns shown in **Figure B2**, including naming specific locations or regions and highlighting any anomalies. [4 Marks]
- Suggest reasons for the pattern you described in question (a). [4 Marks]
- Explain another way in which the development of a country could be measured? [2 Marks]

[Section B2 continues over the page]

Section B2 – Continued

3. Use **figure B3 (below)** and answer the questions below.

- a. In what year did global ocean temperature peak against the 20th century average, and at what temperature? [1 Mark]
- b. What is the total increase from the average ocean temperatures from 1880 to 2021? [1 Mark]
- c. Suggest *two* possible consequences of the changes in ocean temperature. [4 Marks]
- d. Outline *two* other possible consequences of global warming in addition to changes in ocean temperature. [4 Marks]

[Total marks for question B2 = 20 marks]

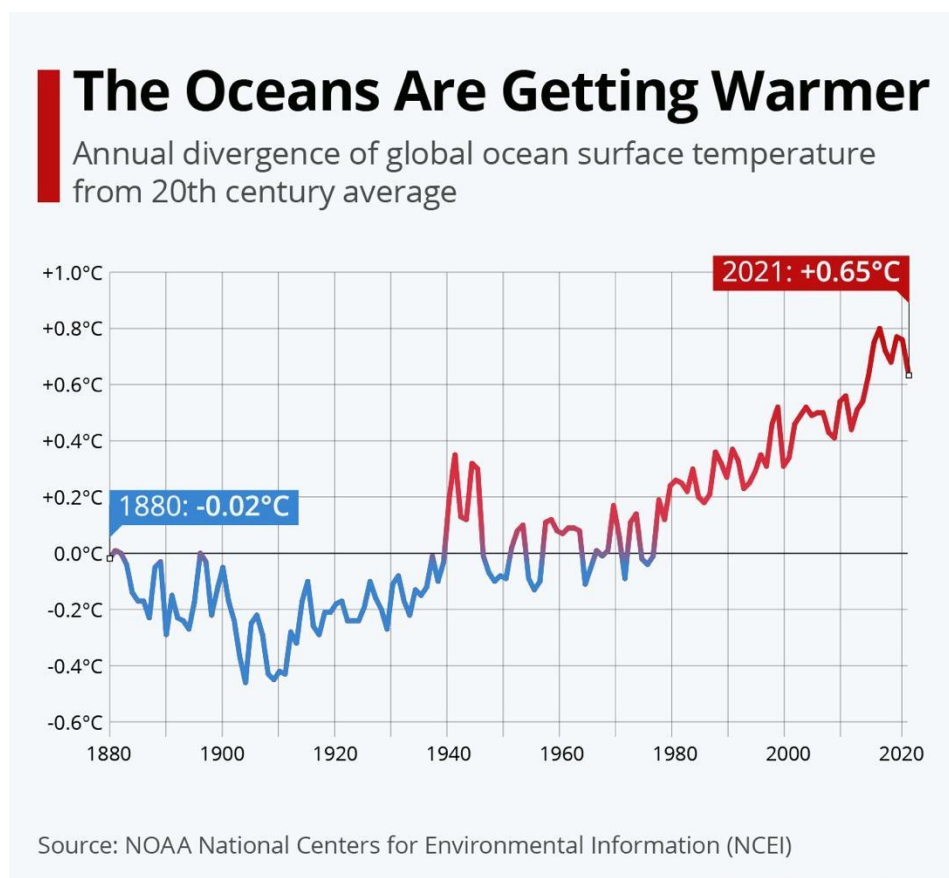


Figure B3: Global Ocean Temperatures in the 20th century

Section C: Essay Questions

Choose only **ONE** question from this section.

1. Global migration is rising with migrants making up approximately 3.5% of the world's population. Is global migration a benefit or disadvantage to development? Discuss.

[20 Marks]

2. Global weather is becoming increasingly unpredictable. You have been given a large budget to defend your town against future natural hazards. What would you do and why? Ensure you clearly explain the hazard you are defending against, what your priorities are in terms of defence and how they will help safeguard your town in the future. You do not have to refer to the town that you actually live in.

[20 Marks]

3. You are conducting a review into the UK's energy security and resilience. Explain what combination of renewable and non-renewable sources you would prioritise over the next 10 years and why?

[20 Marks]

4. In the map work section of this paper, you examined the area around St David in the Pembrokeshire Coast National Park. Discuss what potential conflicts may arise between different stakeholders in this area and how they may be resolved.

[20 Marks]

[Total marks for question C = 20 marks]



