



**WESTMINSTER SCHOOL
THE CHALLENGE 2022**

GEOGRAPHY

Wednesday 27 April 2022

Time allowed: 1 hour

**You must answer all of Section A and
one question from Section B.**

Section A is worth 25 marks and Section B is worth 25 marks

**Answer all questions in the answer sheets provided – do not
answer in the exam paper.**

Start your answer to Section B on a new sheet of paper.

You may use a calculator.

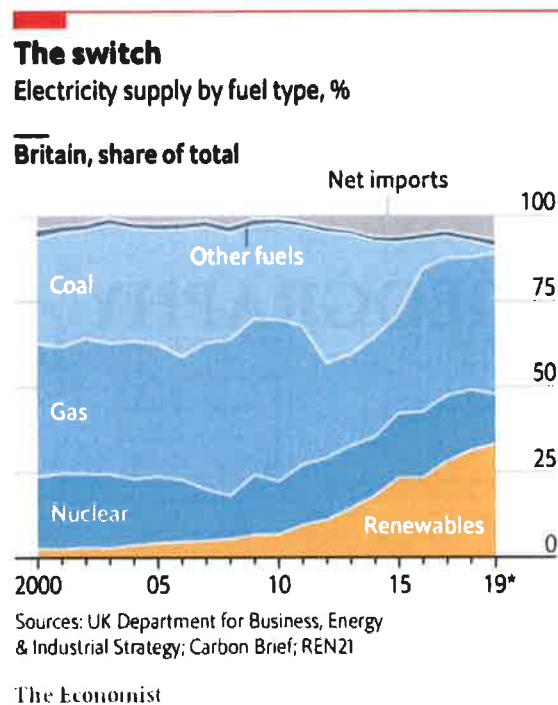
SECTION A (25 marks)

Answer all questions

QUESTION 1

Study **Figure 1**, which shows the electricity supply by fuel type to Britain from 2000 – 2019.

Figure 1



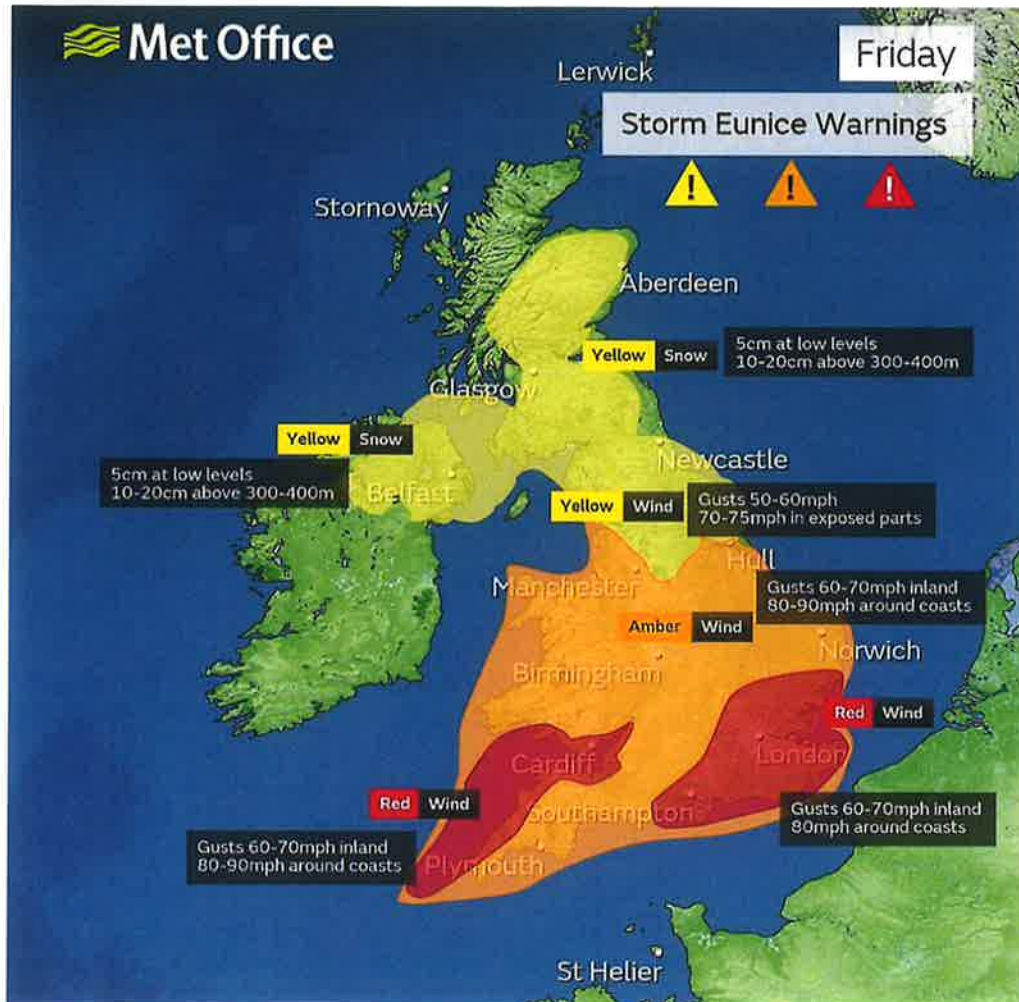
According to **Figure 1**;

1. Which energy source contributed to Britain's electricity production the most in 2019? [1]
2. How has the share of coal in the production of Britain's electricity supply changed from 2000 to 2019? [2]
3. Suggest why the share of renewables has increased significantly since 2010? [2]

QUESTION 2

Study **Figure 2** which shows the Met Office weather warnings on Friday 18th February 2022 for Storm Eunice.

Figure 2



UK weather warnings in force as of 10am on Friday 18 February. - Met Office

According to **Figure 2**,

1. What weather conditions should the London area expect as Storm Eunice passes over the UK? [1]
2. Describe how the weather conditions will vary across the UK on Friday 18th February. [1]
3. Suggest reasons why weather warnings like this produced by the Met Office are helpful to the public. [3]

QUESTION 3

Study the map, which shows part of the Isle of Arran, an island off the Southwest coast of Scotland.

- a) Describe the landscape of The Isle of Arran. [3]
- b) Compare the physical characteristics of grid squares 9838 and 0136 [4]
- c) What evidence is there on the map that this area is popular with tourists? (you should use human and physical features in your analysis) [4]
- d) With reference to the map extract, suggest some conflicts that might arise between different groups of people such as local residents, tourists and environmentalists. [4]

SECTION B (25 marks)

Answer **one** of the following essay titles.

Credit will be given for reference to place specific case studies as well as to labelled diagrams which serve to support the answer.

1. To what extent will the UK meet its target of being Net zero (Net zero refers to a state in which the greenhouse gases going into the atmosphere are balanced by removal out of the atmosphere) by 2050?
2. The global pandemic has increased inequality globally. Discuss
3. Will flooding be the most serious physical hazard that the UK will face in the future?
4. Are maps still valuable to Geographers? Discuss
5. Water conflict will be the biggest cause of war in the future. To what extent do you agree with this statement?

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1:50 000 Scale OS Landranger Series

ROADS & PATHS Not necessarily rights of way

	Motorway
	Primary Route
	Main road
	Road under construction
	Secondary road
	Narrow road with passing places
	Road generally more than 4m wide
	Road generally less than 4m wide
	Path / Other road, drive or track
	Gradient: steeper than 20%, 14% to 20%
	Gates, Road tunnel
	Ferry (passenger), Ferry (vehicle)

TOURIST INFORMATION

	Camp site / caravan site
	Garden
	Golf course or links
	Information centre (all year / seasonal)
	Nature reserve
	Parking, Park and ride (all year / seasonal)
	Picnic site
	Recreation / leisure / sports centre
	Selected places of tourist interest
	Telephone, public / roadside assistance
	Viewpoint
	Visitor centre
	Walks / Trails
	World Heritage site or area
	Youth hostel

RAILWAYS

	Track multiple or single		Bridges, Footbridge
	Track under construction		Level crossing
	Siding		Viaduct, embankment
	Tunnel, cuttings		Station, (a) principal
	Light rapid transit system, narrow gauge or tramway		Light rapid transit system station

HEIGHTS 1 metre = 3.2808 feet

	Contours are at 10 metres vertical interval
	Heights are to the nearest metre above mean sea level

WATER FEATURES

	Beacon		Lighthouse (disused)
	Bridge		Lighthouse (in use)
	Canal (dry)		Marsh or salting
	Footbridge		Weir
	Lake		

ROCK FEATURES


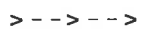


























PUBLIC RIGHTS OF WAY







	Footpath
	Bridleway
	Restricted byway
	Byway open to all traffic
	Firing and Test Ranges in the area. Danger! Observe warning notices.

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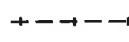



LAND FEATURES

-  Electricity transmission line
-  Pipe line (arrow indicates direction of flow)
-  Buildings
-  Important building (selected)
-  Bus or coach station
- 
 -  Current or former place of worship { with tower
 -  { with spire, minaret or dome
 -  Place of worship
-  Glass structure
-  Heliport
-  Triangulation pillar
-  Mast
-  Wind pump, wind turbine
-  Windmill with or without sails
-  Graticule intersection at 5' intervals
-  Cutting, embankment
-  Landfill site or slag/spoil heap
-  Coniferous woods
-  Non-coniferous woods
-  Mixed wood
-  Orchard
-  Park or ornament ground
-  Forestry Commission land
-  National Trust (always open / limited access, observe local signs)
-  National Trust for Scotland (always open / limited access, observe local signs)






OTHER PUBLIC ACCESS

-  Other route with public access
-  On-road cycle route
-  Traffic-free cycle route
-  National Cycle Network number
-  Regional Cycle Network number
-  National Trail

BOUNDARIES

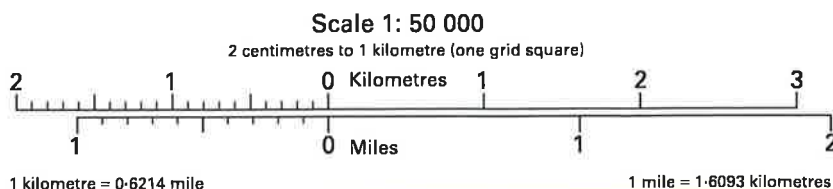
-  National
-  District
-  County, Unitary Authority, Metropolitan District or London Borough
-  National Park

ANTIQUITIES

-  Site of antiquity
-  Battlefield (with date)
-  Visible earthwork
-  Roman
-  Non-Roman

ABBREVIATIONS

Br	Bridges	Mus	Museum
Cemy	Cemetery	P	Post office
CG	Cattle grid	PC	Public convenience (in rural areas)
CH	Clubhouse	PH	Public house
Fm	Farm	Sch	School
Ho	House	TH	Town Hall, Guildhall
MP	Milepost		
MS	Milestone		





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Scale 1:50000

Mar 20, 2022 20:36



Westminster School

