Oxford Cambridge and RSA

# Thursday 13 June 2019 – Morning

## GCSE (9–1) Geography A (Geographical Themes)

**J383/03** Geographical Skills

Resource Booklet

**Time allowed: 1 hour 30 minutes**



**INFORMATION FOR CANDIDATES**

- The questions tell you which resources you need to use.
- This document consists of **12** pages. Any blank pages are indicated.

**INSTRUCTION TO EXAMS OFFICER/INVIGILATOR**

- Do not send this Resource Booklet for marking, it should be retained in the centre or recycled. Please contact OCR Copyright should you wish to re-use this document.

**CONTENTS OF RESOURCE BOOKLET**

**Fig. 1 – Adapted extract from BBC News report**

**Renewable sources of energy have generated more electricity than coal and gas in Great Britain for the first time.**

The National Grid reported that, at lunchtime on Wednesday 7th June 2017, power from renewable sources supplied 50.7% of UK energy. Increasing the supply of renewable energy will allow us to replace carbon-intensive energy sources and significantly reduce greenhouse gas emissions.

Wednesday lunchtime was perfect for renewables, being both sunny and windy. The National Grid, the body that owns and manages the power supply around the UK, said in a tweet: "For the first time ever this lunchtime (7th June) wind, nuclear and solar were all generating more than both gas and coal combined."

On Wednesday, a tenth of the UK's power was coming from wind farms. So much power was being generated by wind turbines, that prices fell to a tenth of their normal level. Environmentalists have welcomed this new record as a milestone towards a low carbon economy.

**Fig. 2 – January sunshine hours in the UK**

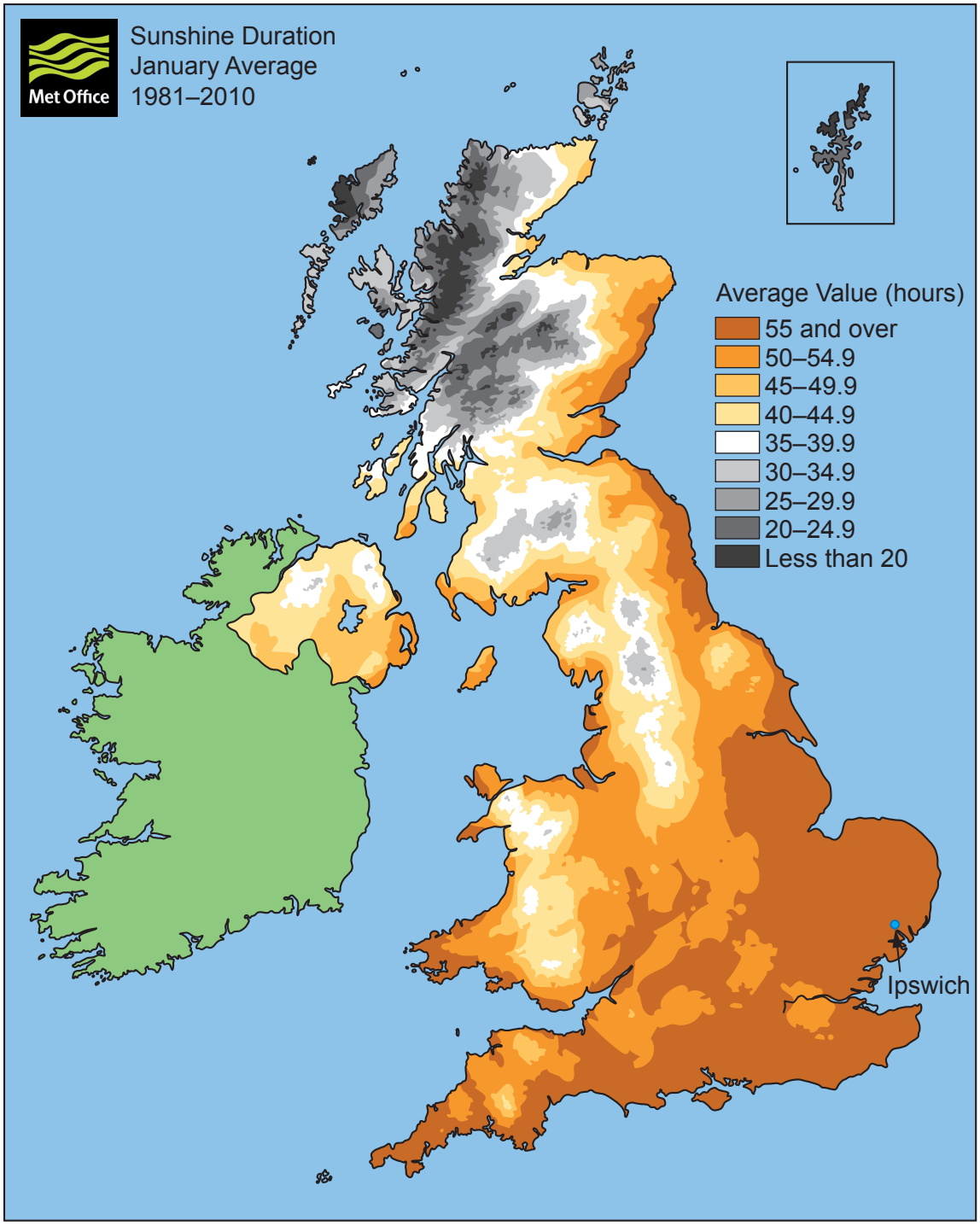


**Fig. 3a – A solar farm near Ipswich**

# HOLTON SOLAR FARM

HALESWORTH, SUFFOLK

Holton Solar Farm was constructed on Holton Airfield, approximately 1.5 miles to the north east of Halesworth. The site comprises two sections of a disused airfield built during World War II as RAF Halesworth. Planning was approved for the site with no objections from the local community. The site has good existing levels of screening and further biodiversity enhancement measures will be implemented following commissioning of the project. During the operational stage, BELECTRIC will establish species-rich grassland areas under and around the solar panels.

| | | | |
|---|---|---|---|
| SYSTEM SIZE | 10 MWp | LAND AREA | 57 acres |
| ENERGY SUPPLY | 2924 households | PANEL MANUFACTURER | First Solar |

**Fig. 3b – The impact of the mechanisation of farming on the environment**

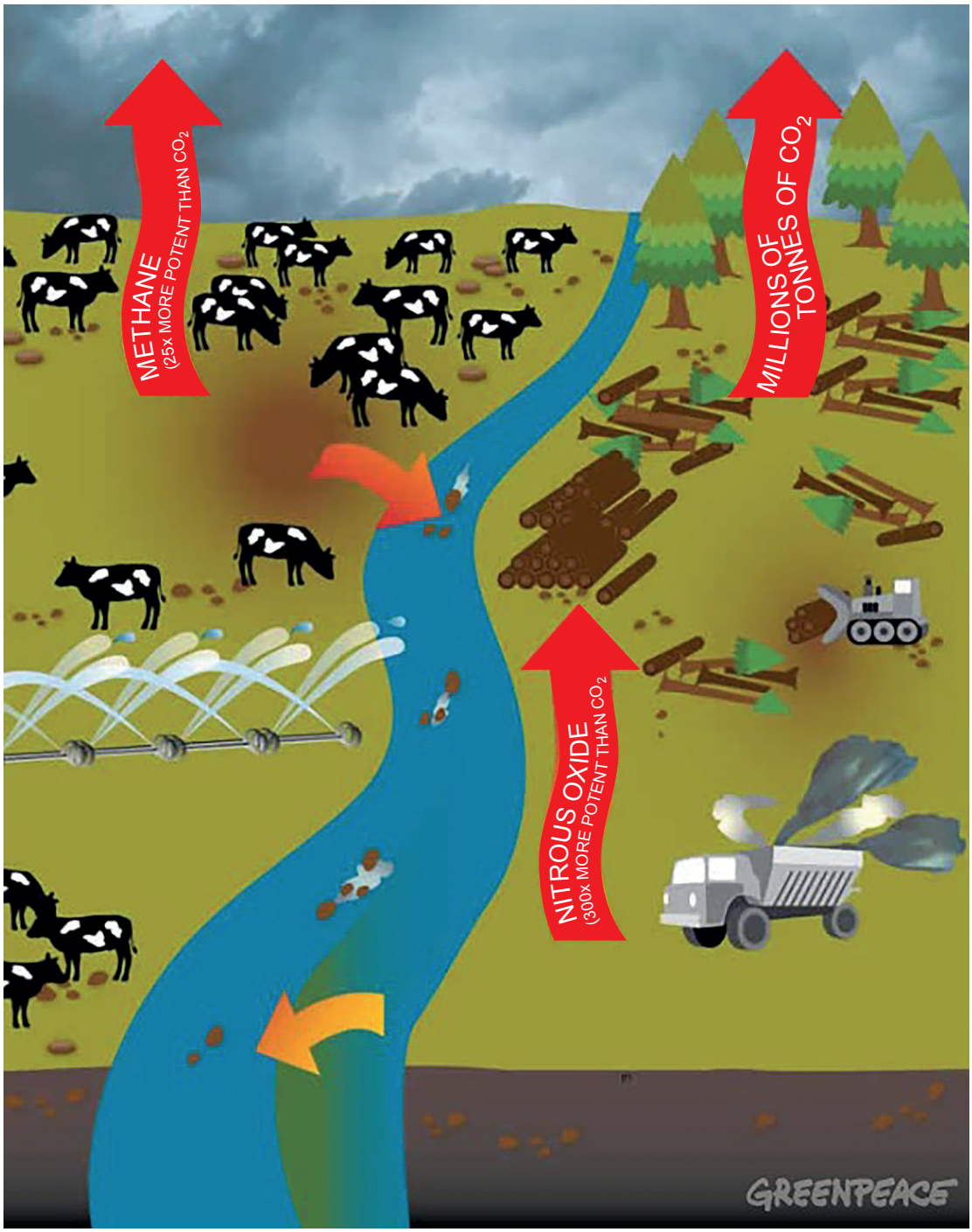


**Fig. 4 – Electricity use in selected LIDCs**

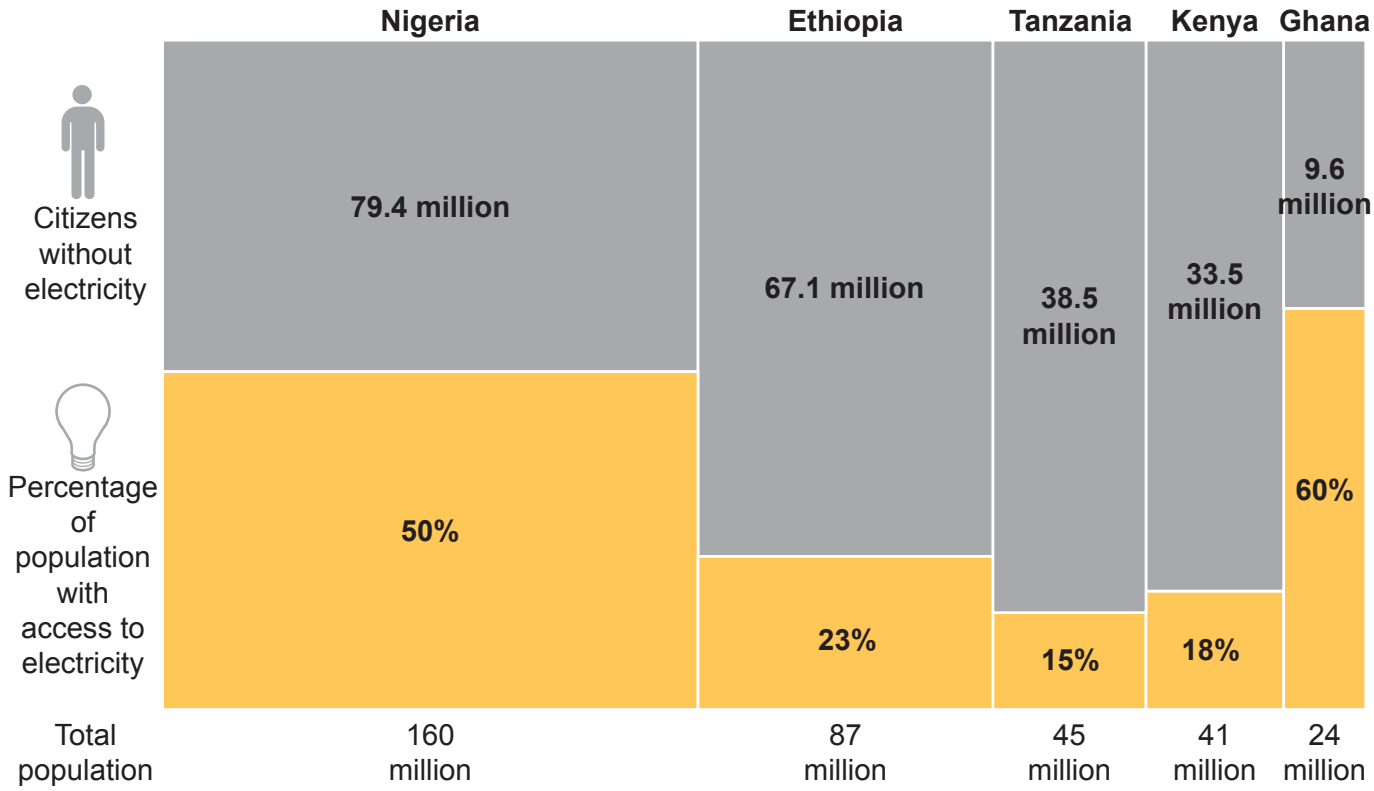
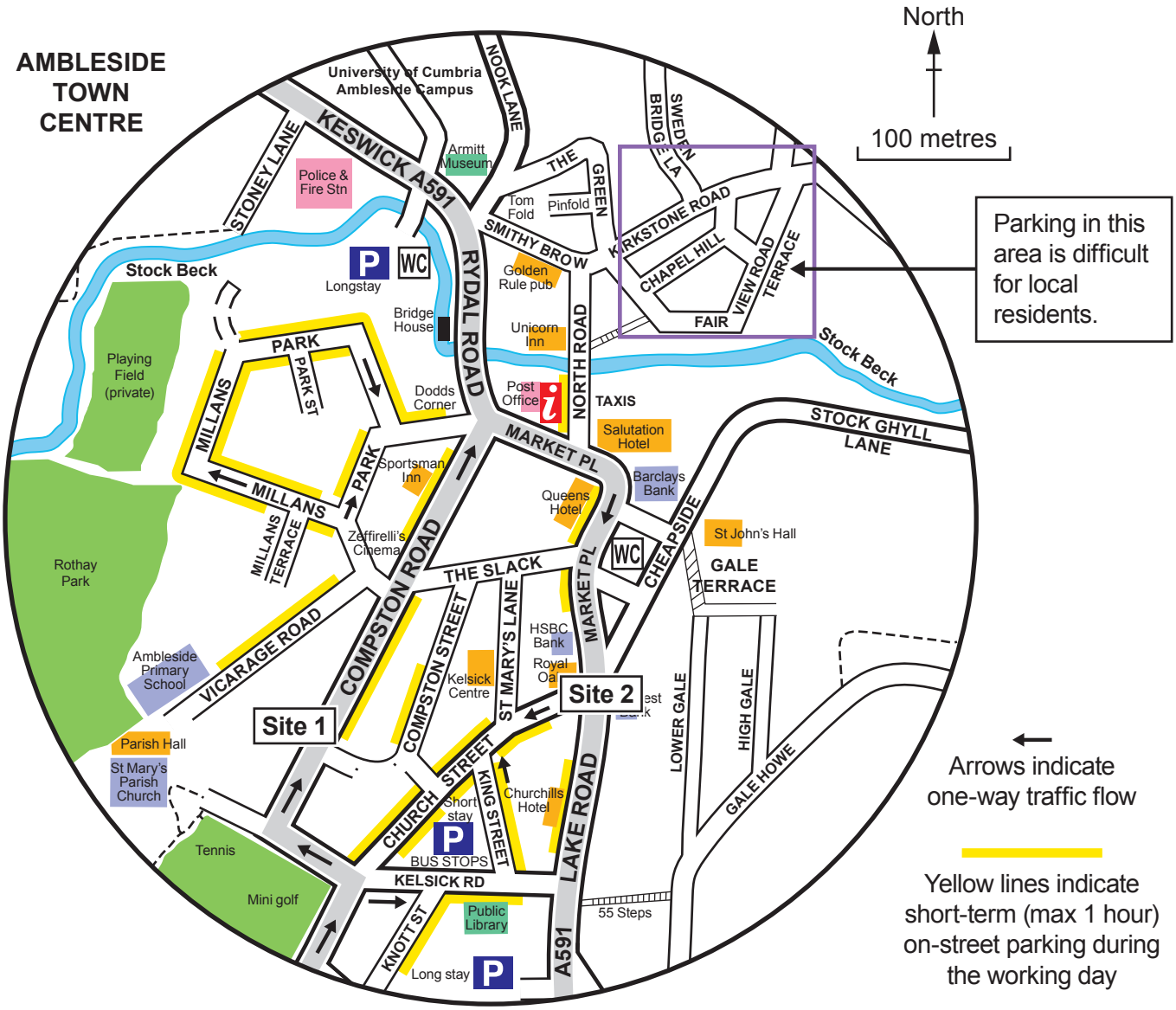


**Fig. 5 – Newspaper article about an LIDC aid project**

**Fig. 6 – Location and photographs of study sites in Ambleside, English Lake District**



**Site 1**


**Site 2**


Parking restrictions make it more pleasant to eat outside.

Old, historic buildings are attractive to tourists

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