WESTMINSTER SCHOOL
THE CHALLENGE 2015

GEOGRAPHY

Wednesday 29th April 2015

Time allowed: 1 hour

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

Each section is worth 25 marks.

Answers to Section A and Section B should be written on the headed lined booklets provided.

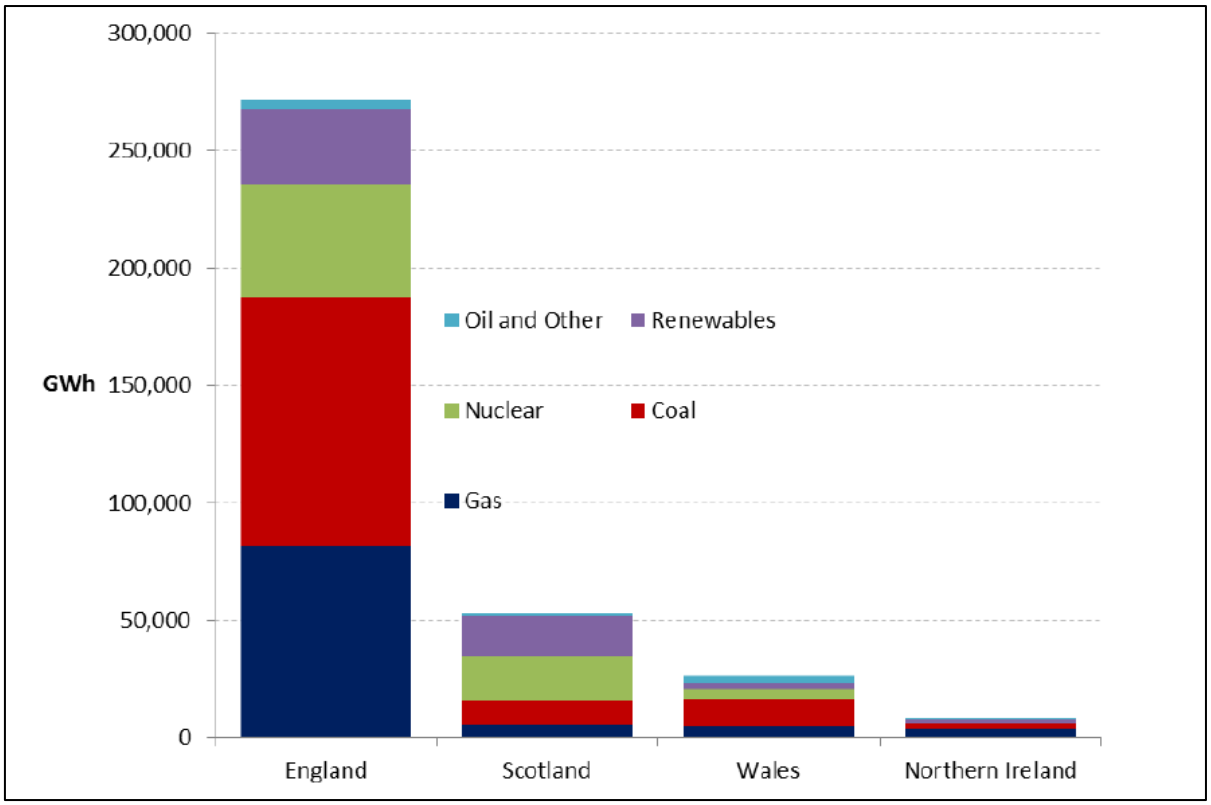
SECTION A (25 marks)

Answer all questions

QUESTION 1

Study Figure 1, a compound bar chart of electricity generation (measured in Giga Watt Hours, GWh) by country and fuel type in 2013.

Figure 1



Source: Department for Energy and Climate Change, Dec 2014

According to Figure 1, in 2013: [5]

a) What was the total electricity generated in Scotland?

b) Which fuel type represented the largest share of Wales's electricity generation?

c) Which nation did not generate any fuel from nuclear energy?

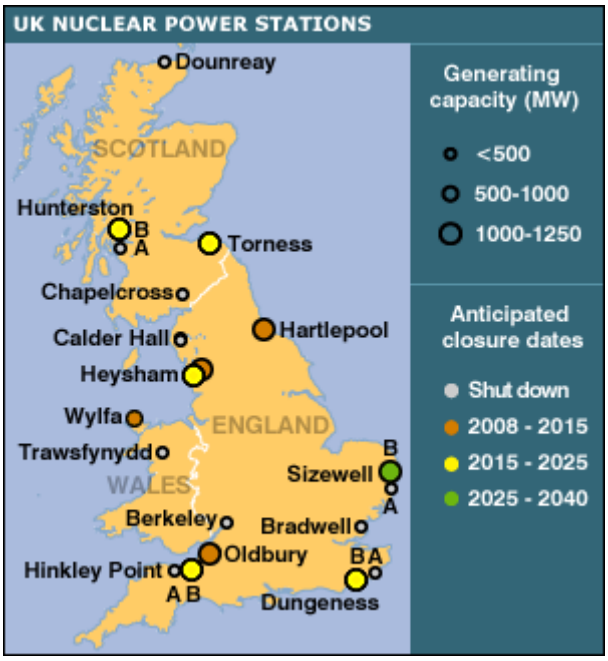
d) How much energy was generated from coal in England?

e) In which nation, did renewable energy represent the largest percentage share of fuel generated?

QUESTION 2

Study the OS map extract of Walland Marsh in Kent and Figure 2, a map showing the current and anticipated closure of the UK's nuclear power stations.

Figure 2



Source: www.bbc.co.uk/news

a) Describe the distribution of power stations across the UK. [3]

b) Using Figure 2 and the OS map extract, when is the nuclear power station in grid square 0816 likely to close? [1]

c) Locate one other source of power generation in the OS map extract: [1]

d) With reference to the OS map extract, describe and explain **two** likely impacts within the local area of closing the nuclear power station. [5]

QUESTION 3

With reference to the map extract:

a) Name the type of coastal management used to protect Littlestone-on-Sea. [1]

b) Suggest why you think this type of coastal management was implemented in this location? [2]

QUESTION 4

Study Figure 3 below which provides information about The Romney, Hythe & Dymchurch railway.

Figure 3



"For the past 88 years the Romney, Hythe & Dymchurch Railway has been an integral part of the landscape of the Romney Marsh. Known as "Kent's Mainline in Miniature", our World Famous one-third full size Steam & Diesel locomotives have powered their way along the 13½ miles of track from the Cinque Port town of Hythe, terminating in Dungeness; a National Nature Reserve and one of the largest shingle landscapes in the world. With 4 stations in between, all within walking distance of a beach, our railway provides you with an opportunity to explore this unique corner of Kent."

Source: www.rhdr.org.uk

a) Measure the length of the railway from the station at New Romney to the station by the holiday village in Greatstone-on-Sea. [1]

b) With reference to the map extract, discuss the environmental issues which may arise from extending the Romney, Hythe and Dymchurch Railway to Camber. [6]

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 sketch maps and labelled diagrams.

Each essay is worth 25 marks.

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1. Globalisation causes inequality. Discuss.
2. Tectonically hazardous locations are often surprisingly densely populated. Discuss.
3. British weather is remarkably variable. Discuss.
4. The future of UK manufacturing is bleak. Discuss.
5. There is little left to be mapped. Discuss.