| Surname     | Centre<br>Number | Candidate<br>Number |  |
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| Other Names |                  | 0                   |  |



## GCSE

4242/03

S17-4242-03

GEOGRAPHY (Specification B) HIGHER TIER UNIT 2 SECTION A

## TUESDAY, 6 JUNE 2017 - AFTERNOON

30 minutes

| For Examiner's use only |                 |                 |
|-------------------------|-----------------|-----------------|
| Question                | Maximum<br>Mark | Mark<br>Awarded |
| 1.                      | 30              |                 |

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This paper is to be collected in after 30 minutes.

#### **INSTRUCTIONS TO CANDIDATES**

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

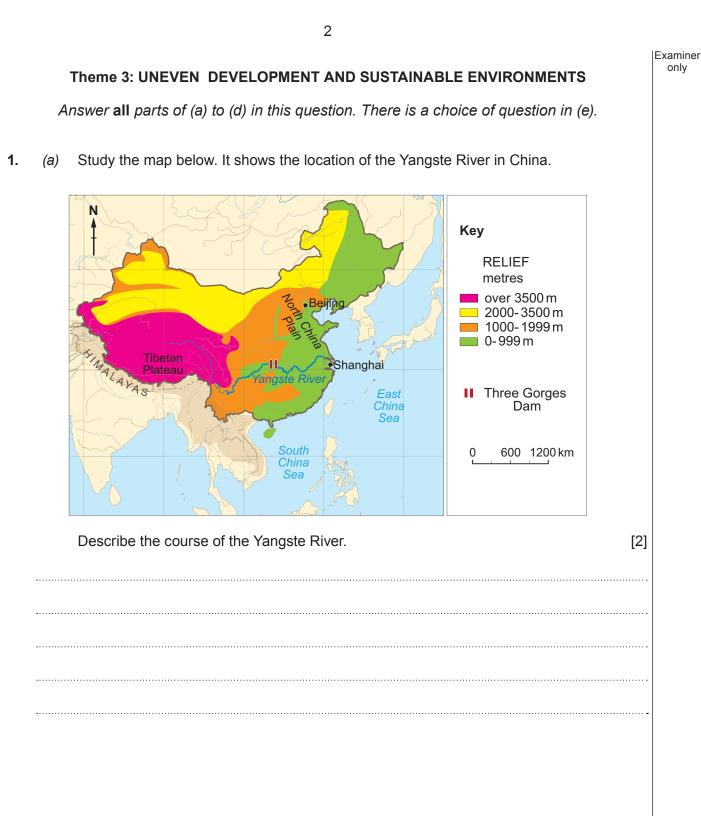
Answer **all** parts of this question in parts (a) to (d). There is a choice in part (e).

Write your answers in the spaces provided in this booklet.

If additional space is required you should use the continuation lines at the end of this booklet. The question number(s) should be clearly shown.

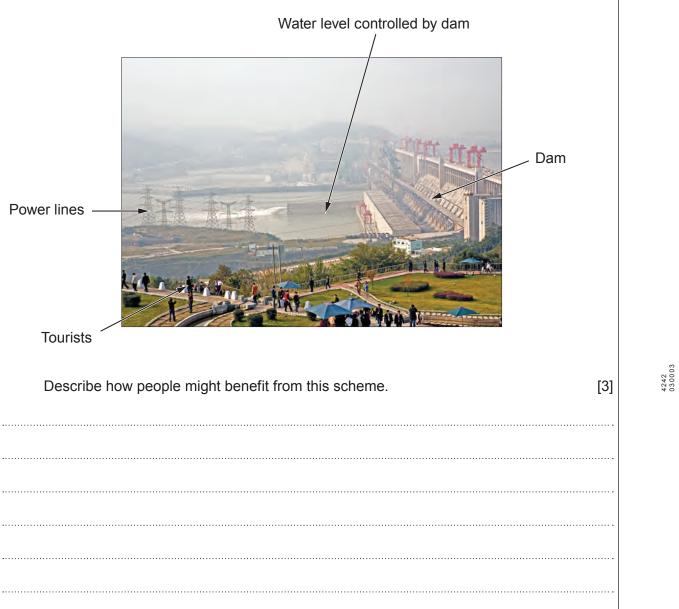
#### **INFORMATION FOR CANDIDATES**

The number of marks is given in brackets [] at the end of each question or part-question. You are reminded that assessment will take into account the quality of written communication used in the case study question.



Examiner

*(b)* Study the photograph below. It shows the Three Gorges Dam on the Yangste River. It is an example of a multipurpose scheme.



[2]

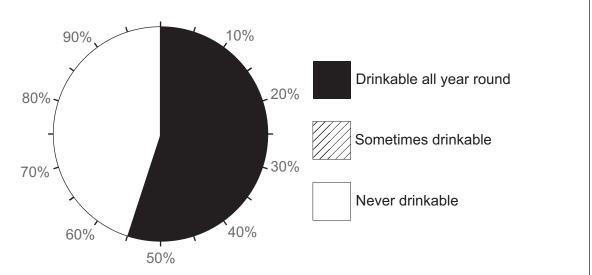
Examiner

- *(c)* In China, pollution is an increasing problem. The table below shows information on river water quality in China.

| Water Quality            | Percent (%) |
|--------------------------|-------------|
| Drinkable all year round | 55          |
| Sometimes drinkable      | 40          |
| Never drinkable          | 5           |

4

(i) Complete the pie chart below using information from the table.



4242 030005



Examiner only Carbon dioxide (CO<sub>2</sub>) emissions are another pollution problem. Study the graph below. Carbon dioxide (CO<sub>2</sub>) (thousands of metric tons) 9,000 CHINA 8,000 Thousands of metric tons 7,000 6,000 5,000 **USA** 4,000 3,000 2,000 1,000 0 2000-2003-2005-2006-2008-2009-2010-2012-2002 2004 2007 2001 2011 Years Compare the trend of  $CO_2$  emissions of China with that of the USA. Use figures to support your answer. [3] (ii)

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(d) Study the photographs below.



Air pollution in Beijing



Water pollution in China

(i) Suggest how water and air pollution may affect people in China. Use the photographs to support your answer. [6]

|        |   | Examiner<br>only |
|--------|---|------------------|
|        |   |                  |
| (ii)   | Describe management strategies that can be used to restore environments damaged by economic activities. [6] |                  |
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| (e)   | Case | e studies  |                         | Examiner<br>only |
|-------|------|--|-------------------------|------------------|
| (-)   |      | ver only <b>one</b> of the questions, <b>either</b> (i) <b>or</b> (ii).  | [8]                     |                  |
|       | Eith | er,  | Tick (√)<br>your choice |                  |
|       | (i)  | A case study about aid:  |                         |                  |
|       |      | <ul> <li>Name the aid project;</li> <li>Explain why the aid was needed;</li> <li>Describe the effectiveness of the aid project.</li> </ul>                                 |                         |                  |
|       | Or,  |  |                         |                  |
|       | (ii) | A case study about a multinational company (MNC) which has I activities in a more developed country:   | ocated some of its      |                  |
|       |      | <ul> <li>Name the MNC and the country;</li> <li>Explain why the MNC located in this country;</li> <li>Describe the effects of the MNC locating in this country.</li> </ul> |                         |                  |
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9

End of Theme 3

END OF PAPER

Turn over.

| For continuation only. | Examiner<br>only |
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