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| Candidate<br>forename |  | Candidate<br>surname |  |
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| Centre<br>number |  |  |  |  |  | Candidate<br>number |  |  |  |  |
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

**B561/02**

**GEOGRAPHY B**

**Sustainable Decision Making (SDM) (Higher Tier)**

**MONDAY 13 JUNE 2011: Morning**

**DURATION: 1 hour**

**SUITABLE FOR VISUALLY IMPAIRED CANDIDATES**

**Candidates answer on the question paper.**

**OCR SUPPLIED MATERIALS:**

**None**

**OTHER MATERIALS REQUIRED:**

**Resource booklet (B561/01/02/RB – previously supplied)**

**READ INSTRUCTIONS OVERLEAF**

## **INSTRUCTIONS TO CANDIDATES**

- **Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.**
- **Use black ink. Pencil may be used for graphs and diagrams only.**
- **Read each question carefully. Make sure you know what you have to do before starting your answer.**
- **Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.**
- **Answer ALL the questions.**

## **INFORMATION FOR CANDIDATES**

- **The number of marks is given in brackets [ ] at the end of each question or part question.**
- **You will be awarded marks in Questions 2, 4 and 5 for the quality of written communication of your answer.**
- **Resources 1–8 are contained in the Resource Booklet.**
- **The total number of marks for this paper is 40.**

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**SECTION A: THE BACKGROUND**

**QUESTION 1**

**Use RESOURCE 1.**

**(a) Wooden and rock groynes reduce longshore drift.**

**Describe how groynes reduce longshore drift.**

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[2]

**(b) Explain why wooden and rock groynes have a different lifespan.**

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[2]

**[Total: 4]**



## SECTION B: THE OPTIONS

### QUESTION 3

Use **RESOURCES 3** and **4**.

**Coastal erosion happens at Happisburgh. Stakeholders have different opinions on coastal protection.**

**Identify ONE stakeholder who is in favour of coastal protection and ONE who is against it. Explain their reasons using your own words.**

**Stakeholder IN FAVOUR:** \_\_\_\_\_

**Stakeholder's reasons:** \_\_\_\_\_

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**Stakeholder AGAINST:** \_\_\_\_\_

**Stakeholder's reasons:** \_\_\_\_\_

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\_\_\_\_\_ [6]

**[Total: 6]**



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[8]

[Total: 8]

**Section B: 14 marks**

## **SECTION C: THE DECISION**

### **QUESTION 5**

**Use RESOURCES 1, 5, 6, 7 and 8, plus your own knowledge and any ideas from other resources in the booklet.**

**People have tried to control coastal erosion for many hundreds of years, with varied success. The council has to make a sustainable decision about what to do at Happisburgh. They are considering THREE possible options:**

#### **OPTION 1**

**Build a new sea wall and use rip-rap and rock armour at the base of the cliff.**

#### **OPTION 2**

**Use beach replenishment and repair and maintain the existing wooden groynes and revetments.**

#### **OPTION 3**

**Use managed retreat of the coast and give people compensation for their losses.**



















