

Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
ADVANCED SUBSIDIARY GCE**

F521/02

DESIGN AND TECHNOLOGY

Advanced Innovation Challenge

SESSION 3 – REFLECTION TEST

WEDNESDAY 20 JANUARY 2010: Morning

DURATION: 1 hour

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

Candidates completed Practical Assignment Booklet

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes on the first page.
- Use only black ink. Pencil may be used for graphs and diagrams and sketches only.
- This paper contains two questions – you are to answer **BOTH** questions.
- You are advised to spend 30 minutes on each question.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Write your answer to each question in the space provided.
- You may use annotated sketches to support your written answer.

INFORMATION FOR CANDIDATES

- The number of marks for each question is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 20.
- **YOU SHOULD HAVE THE ANSWER BOOKLET THAT YOU PRODUCED IN SESSIONS 1 AND 2 TO ASSIST YOU DURING THIS PAPER.**

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Answer BOTH questions in the space provided

1 Reflect on the product you have designed.

Ergonomics is an important factor for designers and manufacturers to consider when developing a product. Prepare a discussion which addresses ergonomic issues that affect your product.

You should include:

- Modifications you would make to improve its ergonomic design.**
- Materials and manufacturing techniques that could be used.**
- Economic implications.**



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