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Centre number						Candidate number				
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

A574

DESIGN AND TECHNOLOGY

**Textiles Technology
Technical Aspects of Designing and Making**

WEDNESDAY 22 JUNE 2011: Morning

DURATION: 1 hour 15 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the question paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

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. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).**
- **Answer ALL the questions in Section A and Section B.**

INFORMATION FOR CANDIDATES

- **The number of marks is given in brackets [] at the end of each question or part question.**
- **The total number of marks for this paper is 60.**
- **Your quality of written communication is assessed in the question marked with an asterisk (*).**

SECTION A

Answer ALL questions.

1 Fig. 1 shows a safety vest with reflective strips.

Fig. 1

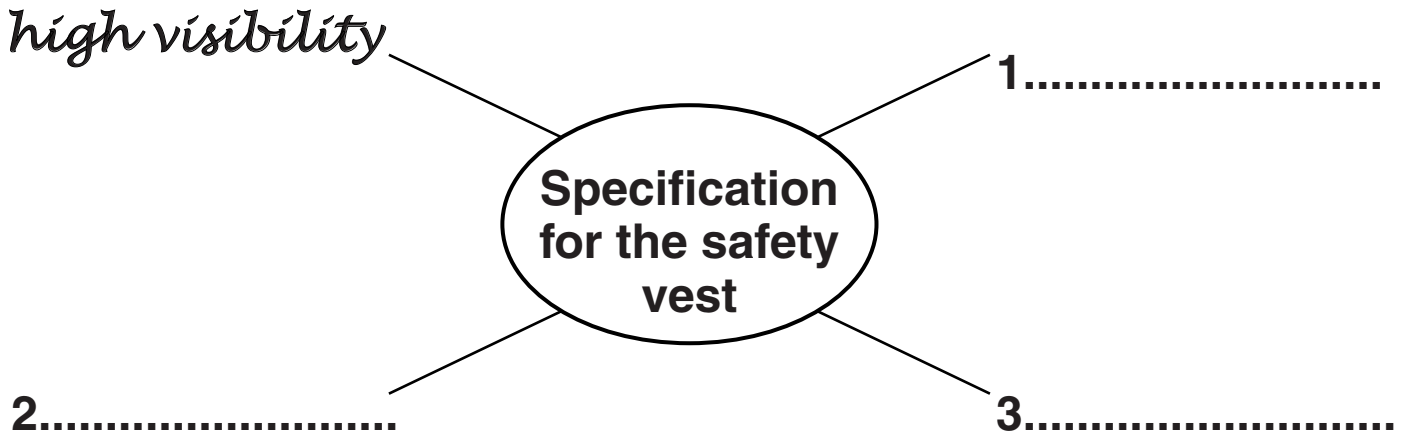


(a) State TWO activities or jobs when the safety vest would be worn.

1 _____

2 _____ [2]

(b) Complete the diagram below to identify THREE other points that could be included in the specification for the safety vest.



[3]

**(c) The edges of the safety vest have been neatened using bias binding.
State ONE other method of neatening the edges that could have been used.**

_____ **[1]**

(d) Using notes and diagrams, complete the table below to show how to attach bias binding to neaten an edge.

	Process
Stage 1	
Stage 2	
Stage 3	
Stage 4	
Stage 5	
Stage 6	

[6]

[Total: 12]

2 Fig. 2 shows a baseball cap and the pattern pieces used to make it.

Fig. 2

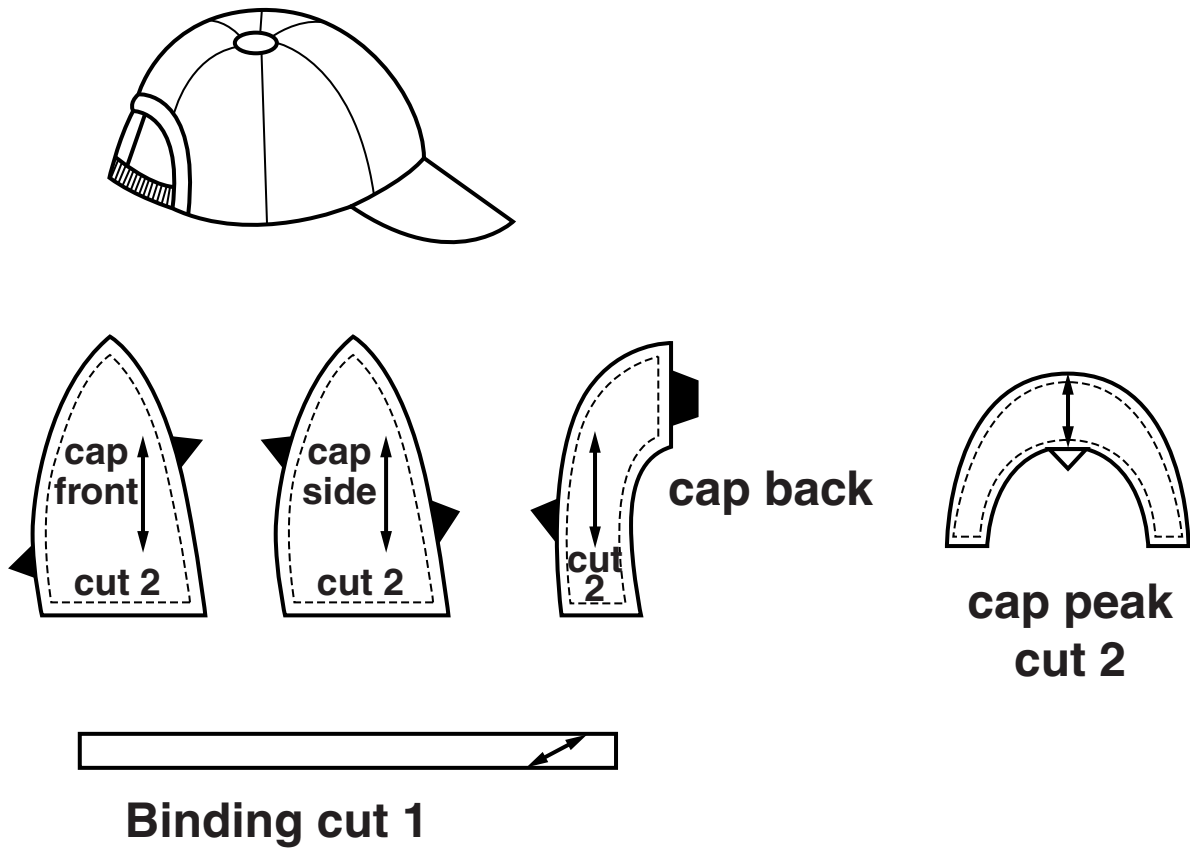
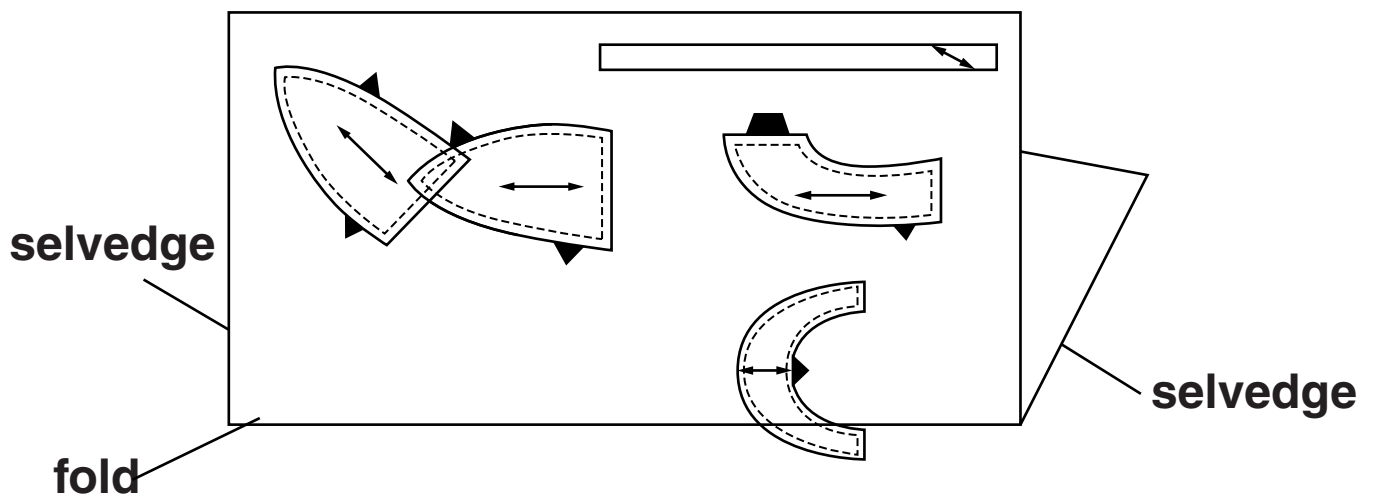


Fig. 3 shows an incorrect pattern lay for the baseball cap.

Fig. 3



(a) Identify THREE errors which have been made in the pattern lay shown in Fig. 3.

1 _____

2 _____

3 _____

_____ **[3]**

(b) A pattern lay can be developed quickly using ICT. Give THREE other advantages of using ICT to develop the pattern lay.

1 _____

2 _____

3 _____

_____ **[3]**

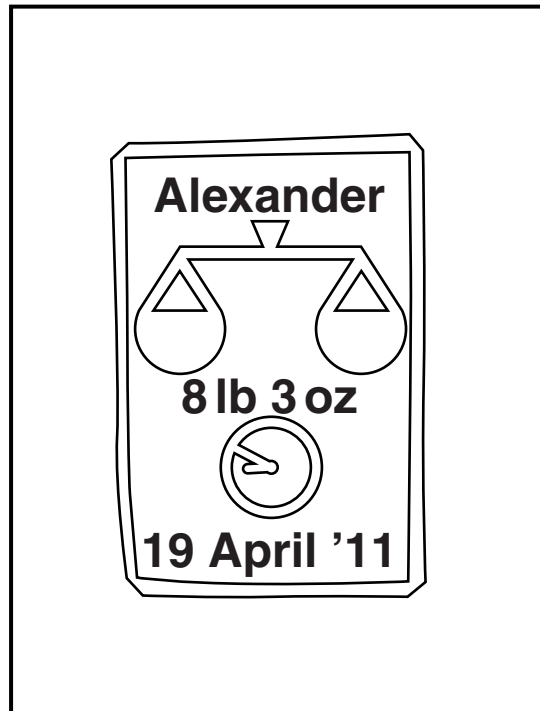
- (c) The baseball cap is to be made using a plain or open seam.
Use notes and diagrams to show how to work the plain or open seam.**

[6]

[Total: 12]

3 Fig. 4 shows a quilt cover decorated using appliqué.

Fig. 4



(a) Describe, using notes and diagrams, how to work appliqué.

[6]

(b*) Evaluate the contribution of appliqué to the 6Rs.

SECTION B

Answer ALL questions.

- 4 A textile manufacturer is to introduce a range of jackets for physical fitness instructors and coaches to wear when working outdoors.**

The jacket should:

- be unisex**
- be adaptable to changing weather conditions**
- remove the need for a bag.**

- (a) In the space below sketch and describe a design for a jacket that meets this specification. Annotate your sketch to show all important design and construction details.**

[8]

**(b) Choose TWO specification points from the list below.
Explain how your design meets each one.**

- **unisex**
- **adaptable to changing weather conditions**
- **remove the need for a bag.**

Specification point 1 _____

Specification point 2 _____

_____ [4]

[Total: 12]

5 (a) Describe THREE ways in which a manufacturer can reduce the impact of textiles production on the environment.

1 _____

2 _____

3 _____

_____ [6]

(b*) Explain the advantages to a textiles manufacturer of implementing Health and Safety procedures.

[6]

[Total: 12]

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