

Candidate Name	Centre Number	Candidate Number

WELSH JOINT EDUCATION COMMITTEE
General Certificate of Secondary Education



CYD-BWYLLGOR ADDYSG CYMRU
Tystysgrif Gyffredinol Addysg Uwchradd

174/02

HOME ECONOMICS (TEXTILES)

PAPER 2

Higher Tier – Grades D to A*

A.M. WEDNESDAY, 20 June 2007

(1 hour 30 minutes)

Examiner only

TOTAL MARK	
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ADDITIONAL MATERIALS

Coloured pens/pencils.

INSTRUCTIONS TO CANDIDATES

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

Answer **all** questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

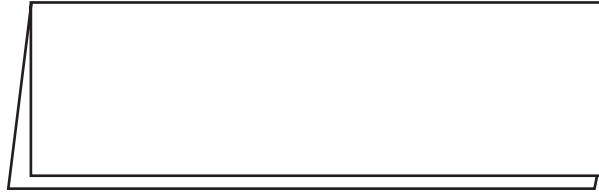
INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

No certificate will be awarded to a candidate detected in any unfair practice during the examination.

Answer all questions.

1. The diagram shows fabric folded lengthwise.



(a) On the diagram indicate the following: [2]

- (i) warp threads;
- (ii) weft threads.

(b) Explain **each** of the following terms: [4]

(i) selvedge;

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(ii) straight grain;

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(iii) bias;

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(iv) nap.

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2. The following processes are often used when constructing textile items.
Draw a diagram to illustrate **each** process and explain where it could be used.

[6]

(i) dart

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(ii) double stitched seam

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(iii) box pleat

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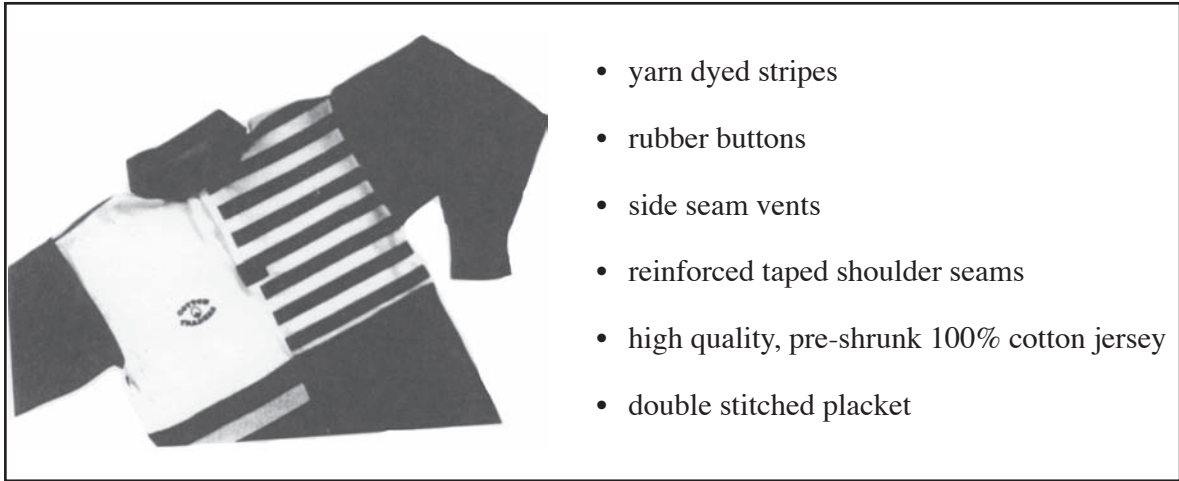
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3. Study the advertisement of the sports shirt and answer the questions.



- yarn dyed stripes
- rubber buttons
- side seam vents
- reinforced taped shoulder seams
- high quality, pre-shrunk 100% cotton jersey
- double stitched placket

(a) Give reasons for the following:

[6]

(i) reinforced seams;

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(ii) side seam vents;

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(iii) yarn dyed stripes.

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(b) Explain why cotton is often used for sports shirts.

[4]

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4. Swimwear is both fashionable and functional.



(a) Explain how lycra is combined with other fibres during the manufacturing process. [2]

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(b) Discuss the properties of lycra that make it suitable for swimwear. [4]

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(c) Lycra is used in many clothing and household items.
Describe the care required to keep them in good condition.

[4]

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5. Colour gives both life and interest to fabrics. This can be achieved by dyeing.

(a) Before dyeing fabric, a mordant is added to the dye bath.

(i) Name **one** substance that may be used as a mordant. [1]

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(ii) Why is a mordant required? [1]

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(b) Describe **one** technique used to add colour to fabric. [4]

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- (c) Choose an item that can be made from the dyed fabric. Using annotated diagrams show how the item can be further embellished. [4]

A series of horizontal dotted lines for writing, spanning the width of the page.