

<b>Candidate Forename</b>		<b>Candidate Surname</b>	
<b>Centre Number</b>		<b>Candidate Number</b>	

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

**1958/01**

**DESIGN AND TECHNOLOGY**

**Textiles Technology  
Full Course  
Paper 1 (Foundation Tier)**

**WEDNESDAY 26 MAY 2010: Afternoon**

**DURATION: 1 hour**

**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 clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.**
- **Use black ink. Pencil may be used for graphs and diagrams only.**
- **Read each question carefully and make sure that you know what you have to do before starting your answer.**
- **Answer ALL the questions.**
- **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).**

## **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 50.**
- **The marks allocated and the spaces provided for your answers are a good indication of the length of answers required.**

**BLANK PAGE**

- 1 Fig. 1 shows a workshop that DOES NOT provide a safe working environment.

Fig. 1



**Four sewing machines on the left work surface.**

**Taps, sink and tin of wax on front edge of right work surface.**

**In the central area: an ironing board and iron, two tables, two sewing machines with flexes and plugs.**

**One plugged under the table and one stretched along the gangway.**

**There are also items on the floor.**

(a) Give **FOUR** ways of making the workshop a safer place to work.

1 \_\_\_\_\_  
\_\_\_\_\_ [1]




2 \_\_\_\_\_  
\_\_\_\_\_ [1]

3 \_\_\_\_\_  
\_\_\_\_\_ [1]

4 \_\_\_\_\_  
\_\_\_\_\_ [1]

(b) Complete the table below.

Give the meaning of each warning symbol shown.  
The first one has been done for you.

<u>WARNING SYMBOL</u>	<u>MEANING</u>
<p>1. Diagonal cross</p> 	<p>1.</p> <p>Harmful</p> <hr/>
<p>2. A flame</p> 	<p>2.</p> <hr/>
<p>3. Skull and crossbones</p> 	<p>3.</p> <hr/>

[2]

- (c) Name TWO items of protective clothing worn by workers in the textile industry.  
Give a different example of when each would be worn.

**Example:**

**Protective Clothing** steel toe capped shoes.

**When worn** when lifting heavy items such as rolls of fabric which may fall on the feet.

**Protective Clothing** \_\_\_\_\_ [1]

**When worn** \_\_\_\_\_ [1]

**Protective Clothing** \_\_\_\_\_ [1]

**When worn** \_\_\_\_\_ [1]

**[Total: 10]**

2 Fig. 2 shows a child’s toy.

Fig. 2



(a) The toy is made using a plain or open seam.  
Complete the table below using notes and diagrams  
to show how to work a plain or open seam.

<u>STAGE</u>	<u>PROCESS</u>
STAGE 1	
STAGE 2	
STAGE 3	
STAGE 4	
STAGE 5	

[5]



**(b) Give ONE method of neatening the plain or open seam.**

\_\_\_\_\_ [1]

**(c) List TWO pre-manufactured standard components needed to make the toy.**

1 \_\_\_\_\_ [1]

2 \_\_\_\_\_ [1]

**(d) State TWO quality control checks that should be carried out on the completed toy before it leaves the manufacturer.**

1 \_\_\_\_\_  
\_\_\_\_\_ [1]

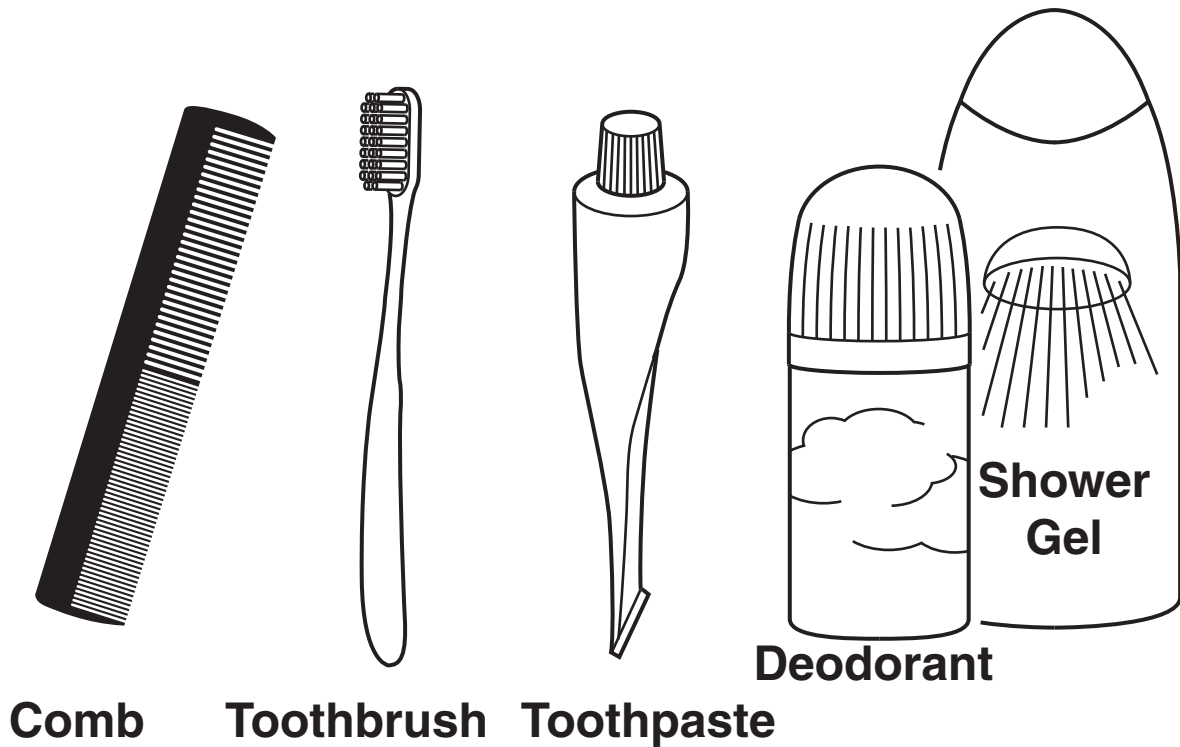
2 \_\_\_\_\_  
\_\_\_\_\_ [1]

**[Total: 10]**

- 3 A company is to produce an overnight toiletries bag aimed at the teenage market.**

**Fig. 3 shows some of the items the bag must hold.**

**Fig. 3**



- (a) In the space below sketch and describe a design for the overnight toiletries bag.**

**Label your design to show:**

- **functional details;**
- **construction methods;**
- **decorative techniques.**



**(b) The overnight toiletries bag will be made using a sewing machine.**

**Name TWO other tools or pieces of equipment needed to make the bag.**

**1 \_\_\_\_\_ [1]**

**2 \_\_\_\_\_ [1]**

**(c) Give TWO ways of finding out if the overnight toiletries bag is suitable for mass production.**

**1 \_\_\_\_\_  
\_\_\_\_\_ [1]**

**2 \_\_\_\_\_  
\_\_\_\_\_ [1]**

**[Total: 10]**

**BLANK PAGE**

- 4 Fig. 4 shows a job production system.  
Fig. 5 shows a batch production system.**

**Fig. 4**



**Fig. 5**



- (a) Complete the chart opposite to highlight the differences in methods used for each stage of garment manufacture in job and batch production. An example has been done for you.**

<b><u>STAGE</u></b>	<b><u>JOB PRODUCTION</u></b>	<b><u>BATCH PRODUCTION</u></b>
1.  <b>MAKING THE PATTERN</b>	1.	1.
2.  <b>CUTTING THE FABRIC</b>	2.	2.
3.  <b>TRANSFERRING PATTERN MARKINGS</b>	3.	3.
4.  <b>ASSEMBLING THE PRODUCT</b>	4.  <b>One machinist assembles the garment from start to finish.</b>	4.  <b>Several machinists work on the garment, each assembling a different part.</b>

[6]

- (b) Give TWO reasons why batch production is a less expensive method of manufacturing textiles products than job production.**

**Reason 1** \_\_\_\_\_  
\_\_\_\_\_ [1]

**Reason 2** \_\_\_\_\_  
\_\_\_\_\_ [1]

- (c) British textile companies sometimes choose to manufacture their products overseas.**

**Give TWO positive outcomes resulting from this decision.**

**1** \_\_\_\_\_  
\_\_\_\_\_ [1]

**2** \_\_\_\_\_  
\_\_\_\_\_ [1]

**[Total: 10]**

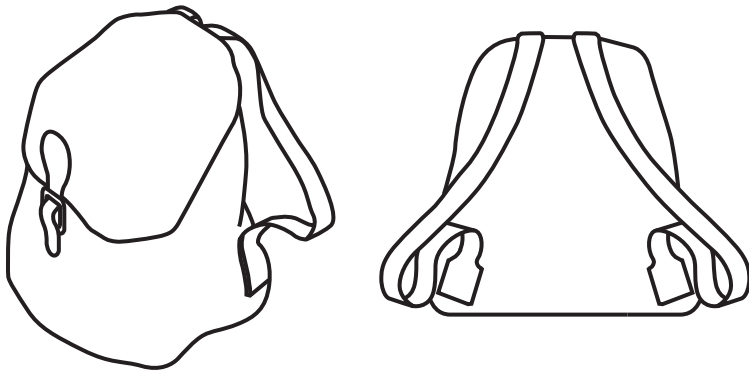


**BLANK PAGE**

5 Fig. 6 shows two different rucksacks.

Fig. 6

**RUCKSACK A**



**Material: cotton canvas.**

**Bag pulls up with a drawstring and toggle fastening. Outer flap fastens with a buckle.**

**Leather shoulder straps with**

**re-inforced stitching.**

**Constructed using the double stitched seam.**

**Size: height 40cm,**

**width 35cm,**

**depth 30cm.**

**Price £9.99**

## RUCKSACK B



**Material:** Close weave polyamide fabric.  
**Two external side zip pockets, phone holder and three internal zip compartments with organiser. Padded back, adjustable shoulder straps and carry handle.**  
**Size:** height 40cm, width 30cm, depth 20cm.  
**Price** £19.99

- (a) Give **THREE** reasons why a close weave polyamide fabric has been used to make rucksack B.

1 \_\_\_\_\_  
\_\_\_\_\_ [1]

2 \_\_\_\_\_  
\_\_\_\_\_ [1]

3 \_\_\_\_\_  
\_\_\_\_\_ [1]

- (b) (i) Name ONE finish that could be applied to the cotton canvas fabric used for rucksack A that would improve the performance of the rucksack.**

\_\_\_\_\_ **[1]**

- (ii) Explain the reason for your choice of finish.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **[2]**

- (c) Explain why a double stitched seam has been used to make rucksack A.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **[2]**

- (d) The design of rucksack B is to be developed to make it suitable for outdoor pursuits such as walking and ski-ing.**

**Describe how the rucksack design could be modified to meet this need.**

---

---

---

---

**[2]**

**[Total: 10]**

**BLANK PAGE**

**BLANK PAGE**

## **Copyright Information**

**OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations, is given to all schools that receive assessment material and is freely available to download from our public website ([www.ocr.org.uk](http://www.ocr.org.uk)) after the live examination series.**

**If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.**

**For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.**

**OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.**