FORM 4 TEXTILES STUDIES TIME: 1h 30min

Name: _____________________________ Class: _______________

1. A young child has grown out of one of her favourite dresses shown at the side.

Instead of putting it away, her mother decides to make some alterations to the dress so that the young girl could still wear it.

a) Suggest three alterations that could be made to the dress.

- ____________________________________________________________________
- ____________________________________________________________________
- ____________________________________________________________________

(3 marks)

b) Sketch the dress after making any one of the suggested alterations. Draw front and back views.

(1, 1 marks)

c) Sleeves can be added to this child’s dress. Name the two types of sleeves that can be attached to this dress.

Name of sleeve 1: ___________________________

Name of sleeve 2: ___________________________

(2 marks)
d) The following are the steps of how to attach the sleeve to this child’s dress. Place the steps in the correct order.

Place the seams into the armhole, with right sides facing. Match notches, side seams to underarm seam and sleeve tip with shoulder seam.

Ease stitch the cap of the sleeve between the notches. Put the underarm sleeve seams together, stitch and neaten the edges. Put up hem sleeve.

From the wrong side stitch the sleeve into the armhole. Remove tacking and press. Trim seam allowance and neaten the raw edges.

Pin in place and gently ease the fullness.

(4 marks)

<table>
<thead>
<tr>
<th>Step Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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(4 marks)

e) Patterned and plain fabrics team well together. Sketch an item for a child’s bedroom which can be made from this combination of fabrics. On the sketch, mark which is the plain and which is the patterned fabric.

Item: _____________________________________________

(3 marks)
2. a) Label the diagram below by placing each of the following in the correct box.

```
warp   weft   selvedge
```

b) Name the weave shown above.

- ____________________ (1 mark)

c) A fabric using this weave is made from 100% cotton. From the list below, choose two suitable properties for cotton fabric and give a reason for choosing each property.

- hardwearing, waterproof, washable, flame-resistant, absorbent

1. Property 1: ____________________
   Reason: ____________________

2. Property 2: ____________________
   Reason: ____________________

3. Property 3: ____________________
   Reason: ____________________

(1, 2, 1, 2, 1, 2 marks)

d) Fibres are sometimes blended with other fibres. Describe what is meant by fibre blend.

- ____________________
3. Blouses are highly fashionable this year. (2 marks)

   a) Name the style features marked with an arrow on the Summer Blouse.

   i) ________________________________  
   ii) ________________________________  
   iii) ________________________________  
   iv) ________________________________  

   (2 marks)

   b) Design a Winter Blouse (front and back) with collar and sleeves.

   **Front View**  
   **Back View**  

   (2 marks)

   c) Calculate the amount of fabric needed to make the winter top if the fabric is 150 cm wide.

   Amount of fabric needed: ________________________________  

   (2 marks)

   d) Suggest a fabric suitable to make this winter top. Give a reason for your choice.

   Fabric: ________________________________  
   Reason: ________________________________  

   ________________________________  
   ________________________________  

   (2 marks)
e) Draw the cutting layout of the pattern pieces of the winter top on 150cm wide fabric.

f) Label the selvedge and fold on the above diagram.

g) The sleeve is stitched to the shoulder seam with a double stitched seam. Using the following diagrams to help you, write the steps of working a double stitched seam.

<table>
<thead>
<tr>
<th>i.</th>
<th>ii.</th>
<th>iii.</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____________________________</td>
<td>___________________________________________</td>
<td>_________________________</td>
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<tr>
<td></td>
<td>___________________________________________</td>
<td></td>
</tr>
<tr>
<td></td>
<td>___________________________________________</td>
<td></td>
</tr>
</tbody>
</table>

(1 mark)

(3 marks)
4. A Textiles Department wishes to buy new sewing machines to use with the Textiles Studies students. The machines must be lightweight and easy for the students to use in the classroom.
   
a) Study the information below and choose the most suitable sewing machine for the department to buy.

<table>
<thead>
<tr>
<th>Information about sewing machines</th>
<th>Sewing Machine A</th>
<th>Sewing Machine B</th>
<th>Sewing Machine C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stitches</td>
<td>15 pre-set utility stitches</td>
<td>10 utility stitches</td>
<td>8 utility stitches</td>
</tr>
<tr>
<td></td>
<td>32 embroidery stitches</td>
<td>35 embroidery stitches</td>
<td>20 embroidery stitches</td>
</tr>
<tr>
<td>Features</td>
<td>threading guide on machine</td>
<td>threading guide on DVD</td>
<td>threading guide in booklet</td>
</tr>
<tr>
<td></td>
<td>integral needle threader</td>
<td>removable needle threader</td>
<td>integral needle threader</td>
</tr>
<tr>
<td></td>
<td>adjustable speed control</td>
<td>2-speed control</td>
<td>single speed control</td>
</tr>
<tr>
<td></td>
<td>supplied with lightweight carry case</td>
<td>optional table available to purchase</td>
<td>supplied with a plastic cover</td>
</tr>
<tr>
<td>Weight</td>
<td>4.9 kg</td>
<td>8.5 kg</td>
<td>5.9 kg</td>
</tr>
<tr>
<td>Price</td>
<td>€300</td>
<td>€440</td>
<td>€375</td>
</tr>
</tbody>
</table>

Tick (✓) one of the boxes below to indicate your choice.

i.  Sewing Machine A
ii. Sewing Machine B
iii. Sewing Machine C

(1 mark)

b) Give two reasons for your choice.

- ______________________________________________________
  ______________________________________________________

- ______________________________________________________
  ______________________________________________________

(4 marks)
c) Different sewing needles are often used when stitching different fabrics. Match the correct function to the **Twin needle** and the **Ball point needle**.

<table>
<thead>
<tr>
<th>Sewing needle</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twin needle</td>
<td>This needle is used to sew knitted/closely woven fabrics. It also helps to prevent skipped stitches.</td>
</tr>
<tr>
<td>Ball point needle</td>
<td>This needle is used for making (narrow) pin tucks, double top stitching and for double zig-zag or decorative stitching.</td>
</tr>
</tbody>
</table>

(1 mark)

d) List **three** safety rules which should be considered when using a sewing machine.

- __________________________________________________________________________
- __________________________________________________________________________
- __________________________________________________________________________

(3 marks)

e) Apart from the sewing machine, the Department needs to invest in the purchase of a good quality iron. Name the **two** types of iron which they can choose from.

- ____________________________  ____________________________

(2 marks)

f) Which type of iron would you suggest for the Department? Give one reason for your answer.
Type of iron: ____________________________

Reason: __________________________________________________________________________

______________________________________________________________________________

(1, 2 marks)

g) List **three** points to consider when choosing an iron.

- __________________________________________________________________________
- __________________________________________________________________________
- __________________________________________________________________________

(3 marks)
h) Some garments require pressing and/or ironing. Both can be done using an iron. Explain the difference between pressing and ironing.

__________________________________________________________

__________________________________________________________

__________________________________________________________

(2 marks)

i) While pressing or ironing clothes, it is important to keep in mind the correct temperature to use. Which ironing symbol should be used for a Nylon top and a pair of trousers made from Polyester and Cotton Blend?

![Ironing Symbols]

(1 mark)

j) Why do some fabrics carry the Do Not Iron symbol?

__________________________________________________________

(1 mark)

k) What is the use of a thermostat inside an iron?

__________________________________________________________

(1 mark)

5. A newly married couple are planning to do their first family wash.
   a) Name two steps to follow before washing clothes.
      • __________________________________________________________
      • __________________________________________________________

(2 marks)
b) Explain why the couple would consider the following while preparing to wash their clothes:

- Reduce the use of hot water: ____________________________________________________
- Dry clothes outside: ___________________________________________________________

(2 marks)

c) It is sometimes necessary to have a garment dry cleaned. Why is dry cleaning needed for certain garments?

______________________________________________________________________

(1 mark)

d) Textile products include care labels to show the consumer how to look after them. Look at the care label shown. Sketch below the three symbols from the care label given that correspond to the given meanings.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>No chlorine or bleach can be used</td>
</tr>
<tr>
<td>ii.</td>
<td>Articles can be dry cleaned</td>
</tr>
<tr>
<td>iii.</td>
<td>Do not tumble dry</td>
</tr>
</tbody>
</table>

(3 marks)
6. a) Using the following figure template, design **two** different tops/blouses to be worn by your teenage friend. (2, 2 marks)

b) Design a trouser and skirt to match with each top/blouse. (2, 2 marks)

c) Label, name and describe **three** fashion features of the outfits next to the figure templates. (3, 3 marks)

d) Design a boots/shoes and **one** accessory to go with each outfit. (1, 1, 1, 1 marks)

e) For which occasion would each outfit be useful? Give a reason for your choice.

Outfit 1: ____________________________________________________________

Reason: _____________________________________________________________________________ (1, 2 marks)

Outfit 2: ____________________________________________________________

Reason: _____________________________________________________________________________ (1, 2 marks)