FORM 1  TEXTILES STUDIES  TIME: 1h 30min

Name: ___________________________________________  Class: __________

1. a) Draw the correct threading of the sewing machine on the following diagram. Use a colour to mark the threading.

![Sewing Machine Diagram](image)

1. (5 marks)

b) Fill in the blanks stating the parts of the sewing machine for each of the following:
   i. ________________________: small teeth below the pressure foot that move the fabric through the machine while stitching.

   ii. ________________________: holds the fabric in position when stitching.

   iii. ________________________: to adjust the width of the stitch.

   iv. ________________________: for a machine stitch to be balanced.

   v. ________________________: to operate the pressure foot.

(5 marks)
Jessica bought a new sewing machine. However, she is meeting some difficulties when using the sewing machine as, at times, the sewing thread breaks and/or misses some stitches.

i. Identify **two** faults of the sewing machine mentioned in the above passage.

ii. Suggest **one** possible cause for each of the faults mentioned.

Fault 1: ____________________________________________________________ (1 mark)
Possible cause: ____________________________________________________________________________ (2 marks)

Fault 2: ____________________________________________________________ (1 mark)
Possible cause: ____________________________________________________________________________ (2 marks)

Wool, silk, cotton and linen are all natural fibres.

2. a) Choose **one** natural fibre and answer the following questions:

i. Name of natural fibre chosen:__________________________________________

ii. Source of natural fibre:______________________________________________ (1 mark)

iii. List **four** properties of the chosen natural fibre: (4 marks)

• __________________________________________________________________________
• __________________________________________________________________________
• __________________________________________________________________________
• __________________________________________________________________________

iv. Name **two** uses of the natural fibre:

________________________________________________________________________________________

(2 marks)
b) In the Middle Ages, the textiles industry was one of the sectors which contributed to the Maltese economy.

i. Which was the natural fibre used during this time?
   _____________________________________________________________ (1 mark)

ii. How did it contribute to the textile industry?
   _____________________________________________________________ (1 mark)

c) Circle the correct symbol for linen.

   (1 mark)

d) Fill in this diagram using the words provided in the following box:

   *Words:*
   - Synthetic fibres
   - Natural fibres
   - Man-made fibres

   FIBRES

   __________________
   __________________
   __________________

   Regenerated fibres

   __________________ (3 marks)
e) Both natural and man-made fibres require a long process to produce. Suggest two ways how one could be a sustainable consumer when discarding textile items.

   •
   •

   (2 marks)

3. During your Textiles Studies lessons, you have carried out various tests on different fabrics to find out their different properties.

   a) Give the name of the following test. ____________________

      (1 mark)

   b) What is the aim of this test?

      ____________________________________________________________

      (1 mark)

   c) On the above diagram, in (3a), label two items used to carry out this test.

      (2 marks)

   d) Describe the method how to carry out this test.

      •
      •
      •
      •
      •

      (4 marks)
e) These are the results of two different fibres after carrying out the absorbency test in the Textiles lab.

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Number of absorbed drops after 1 minute</th>
<th>Number of absorbed drops after 3 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cotton</td>
<td>10 drops</td>
<td>35 drops</td>
</tr>
<tr>
<td>Polyester</td>
<td>0 drops</td>
<td>5 drops</td>
</tr>
</tbody>
</table>

Explain why you think the results differ from each other.

__________________________________________________________________

__________________________________________________________________

(2 marks)

4. The T-shirt has been creatively Tie and Dyed.

a) Complete the following to explain the steps to follow to tie and dye the T-shirt.

i. _____________________________________________

ii. Choose a method of tying.

iii. ____________________________________________

iv. Put the dye in boiling water. Add salt.

v. _____________________________________________

vi. Leave to soak for two hours, and rinse until water is clear. (3 marks)

b) List two items that can be used to make different effects when making tie and dye.

i. ____________________________________________

ii. ____________________________________________

(2 marks)

c) Explain the result you get when using each of the above items.

• _____________________________________________

• _____________________________________________

(2, 2 marks)
d) In the following boxes, draw and name three embroidery stitches that you can use to embellish a tie dyed shirt.

Embroidery stitch 1: 

Embroidery stitch 2: 

Embroidery stitch 3: 

(3 marks)

5. This is a diagram of a woven fabric.

a) Using arrows, mark the warp, weft, bias and the selvedge. 

(4 marks)

b) Which part of this fabric stretches most? 

_____________________________ (1 mark)

c) Name one type of cotton fabric which is always woven.

_____________________________ (1 mark)
6. Imagine you have started your own business as a fashion designer.

a) Give a trade name for your business. (1 mark)

b) Using the templates below, design a formal winter outfit suitable for office work for a male and a female. (4 marks)
c) Colour each outfit. (2 marks)
d) Include shoes and accessories for each outfit. (2, 2 marks)
e) Label two style features for each outfit. (2, 2 marks)
7. The following picture shows an area of a Textiles lab.

![Textiles Lab Diagram]

a) Circle and name next to the picture two large sewing equipment found in this picture.

(2 marks)

b) Give the use of the following items found in the Textiles lab.

<table>
<thead>
<tr>
<th>Name</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Aid Box</td>
<td></td>
</tr>
<tr>
<td>Fire Blanket</td>
<td></td>
</tr>
</tbody>
</table>

(2 marks)

c) It is very important to use these items safely. In the following box, create a poster and list three safety rules to be followed in the Textiles lab.

(3, 3 marks)
8. The Christmas stocking is one popular item used during the festive season.

a) Using the pattern below, design and colour a Christmas stocking.  
   \[1, 4 \text{ marks}\]

b) List one temporary stitch and one decorative stitch which is used when sewing this stocking.

   Temporary stitch: ________________________________ 
   Decorative stitch: ________________________________ \[2 \text{ marks}\]

c) Name two ways how you could join the seams of a Christmas stocking.

   • ____________________________________________  
   • ____________________________________________ \[2 \text{ marks}\]

d) The Christmas stocking will be enhanced by applying applique. What is applique?

   ____________________________________________ \[1 \text{ mark}\]

e) Identify two ways which could be used to decorate the Christmas stocking.

   ____________________________________________  
   ____________________________________________ \[2 \text{ marks}\]

f) Continue the missing steps to follow when sewing the Christmas stocking.

   \[4 \text{ marks}\]

   Steps:
   • Layout pattern on fabric.
   • 
   • Cut out the stocking.
   • 
   • Attach two sides.
   • 
   • Attach final decorations.