

Annual Examinations for Secondary Schools 2015

FORM 3

TEXTILES STUDIES

TIME: 1h 30min

Name: _____

Class: _____

1. Fibres are the raw materials of textiles.

a. Fibres can be divided into three main types. Complete the table below by filling in the blank spaces.

	Type of fibre	Sources	Examples of fabric
i.	Natural	_____ and plants	<ul style="list-style-type: none"> • _____ • _____
ii.	_____	_____ and _____	<ul style="list-style-type: none"> • Acetate • _____
iii.	_____	chemicals	<ul style="list-style-type: none"> • _____ • _____

(5 marks)

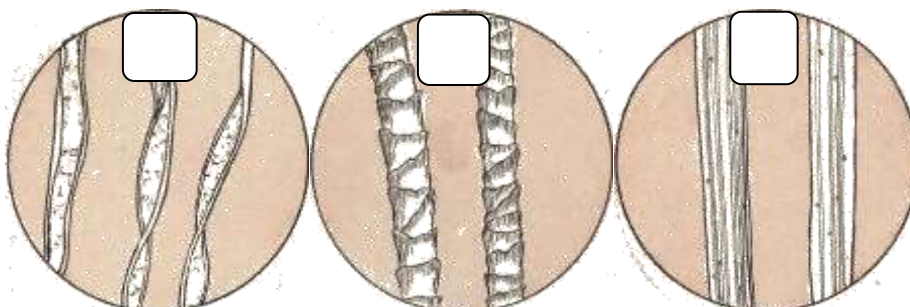
b. A wide range of plants can be used to produce plant fibres.

i. State the name of the fibre that is made from this plant.



(1 mark)

ii. Tick inside the box of the picture that shows how this fibre looks under the microscope.



(1 mark)

iii. Mention **two** positive and **two** negative properties of this fibre.

- Positive - _____, _____
- Negative - _____, _____ **(2 marks)**

iv. Give **two** examples of fabrics made from this fibre.

_____ **(2 marks)**

v. Different finishes can be added to this fibre. Explain the use of the following finishes.

- Flame retardant - _____

- Calendered - _____
_____ **(4 marks)**

vi. Name **one** trade name finish used as a flame retardant on fabrics.

_____ **(1 mark)**

c. Each type of fibre has its own properties which make it suitable for particular jobs.

i. Explain why these items were made from the following fibres:

- Woollen blanket - _____

- Linen trousers - _____
_____ **(4 marks)**

d. Fill in the blanks using the appropriate word from the box below.

Z-twist	fabric	spinning	colour	loom
quality	yarn	woven	faults	bonded

- Fibres are twisted into _____ by a process called _____. They can be twisted into a _____ or an S-twist. The yarn is continually checked for _____ and to make sure it has the right twist.
- _____ can be added during fibre processing or after spinning. The finished yarn is made into a _____, which can be _____ or knitted. Weaving is done using a machine called _____. There are also non-woven and _____ fabrics.
- Several sample lengths of fabric are produced and tested to make sure they are of the correct _____.

(5 marks)

2. Textiles are made from a wide range of fibres and fabrics and so they need to be laundered in different ways.

a. Mention **four** pieces of information found on clothing's care labels.

- _____
- _____
- _____
- _____

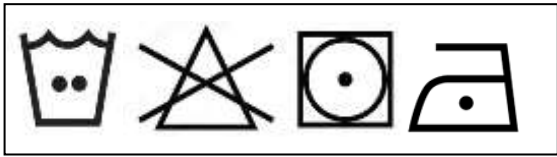
(2 marks)

b. The care label on this knitted garment states 'dry flat'. Explain why this is advised.







(2 marks)

c. A 'Jolinesse®' summer pyjama has the following care label.



i. Explain the following symbols in the same order.

- 
 - _____
- 
 - _____
- 
 - _____
- 
 - _____

(4 marks)

ii. On the same care label there is another symbol that means 'Do not dry clean'. Draw the symbol in the space provided.



(1 mark)

3. Ann just bought a sewing machine and she is not satisfied with the product purchased because it is not working properly.

a. Describe the **three** main steps to be taken to tackle this situation.

- _____
- _____
- _____

(3 marks)

b. If this situation remains unresolved, whom should she contact?

(1 mark)

4. The picture below shows three bags which have been tie-dyed.

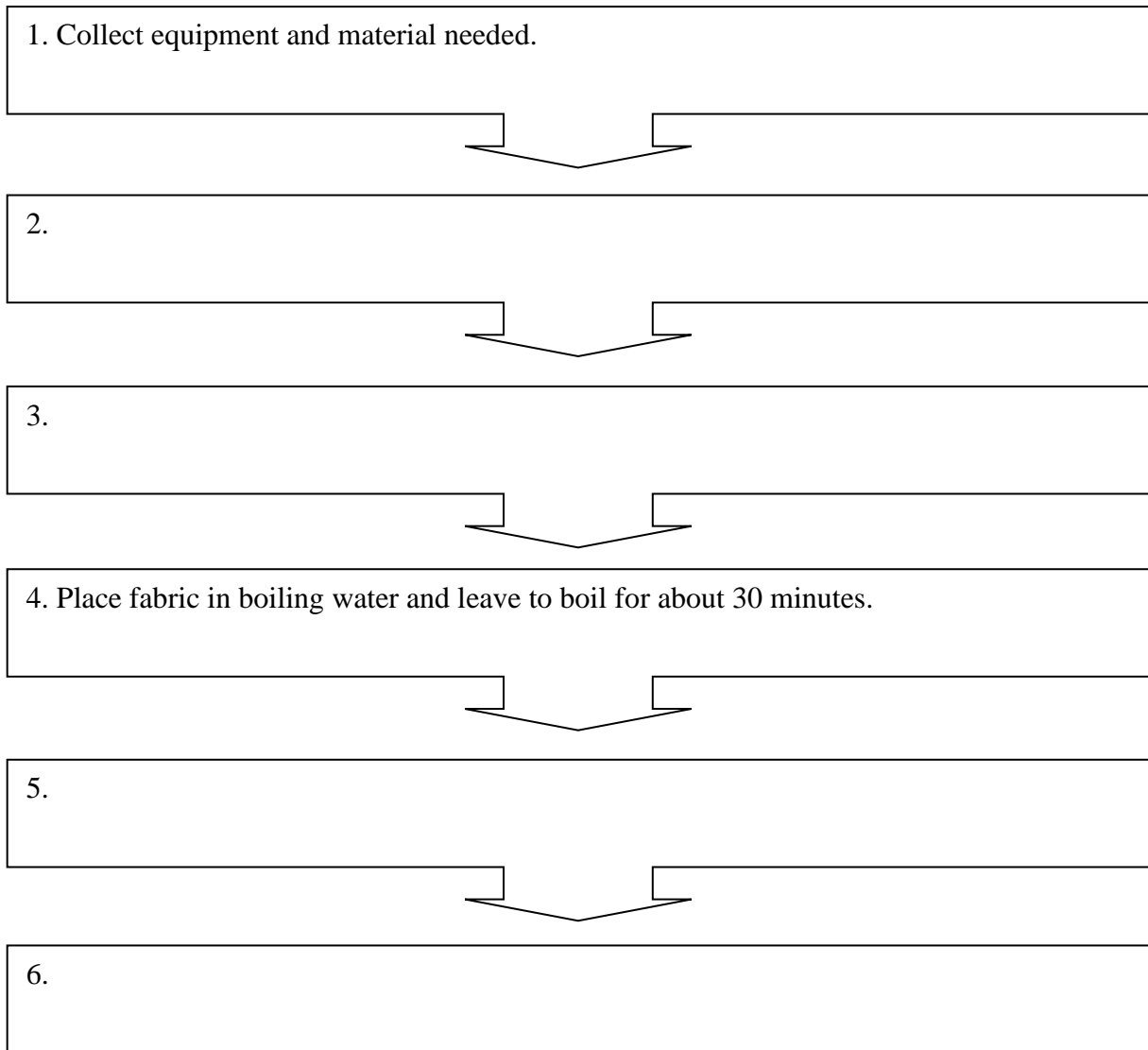


a. List **four** pieces of equipment that are needed for tie-dye.

- _____
- _____
- _____
- _____

(4 marks)

b. Using the flow chart below, fill in the steps that need to be followed to tie-dye fabric.



(4 marks)

c. Give **one** example of natural dyes which could be used to create these colours:

i. pink: _____

ii. brown: _____

iii. yellow: _____

iv. purple / blue: _____

(2 marks)

d. List **two** safety rules to be followed when dyeing fabrics.

• _____

• _____

(2 marks)

e. i. In the box below, sketch a design which could be added to the bags.

(2 marks)

ii. Draw and label **two** embroidery stitches which could be embroidered on the bags.



(1, 1 mark)

5. Leanne is a Textiles Studies student and would like to sew her own pair of trousers, but needs some help.

a. A pattern is the template from which parts of the garment are traced out onto the fabric.

i. Mention **two** pieces of information included in pattern envelopes.

• _____

• _____

(2 marks)

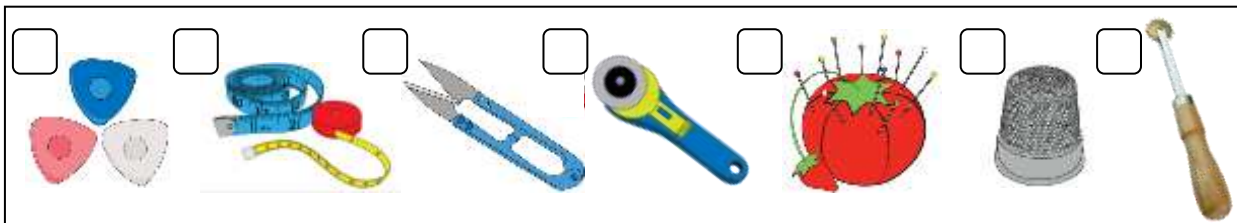
ii. Leanne's pattern has some key symbols. Draw the symbol for the following:

pleat	dart	fabric fold

(3 marks)

b. She prepared her needlework box, but is not sure which tools she would need and the purpose of each.

i. Select **four** of the sewing tools needed by writing the numbers 1-4 in the boxes and explain their use when making her garment.



1. Name of tool: _____

Use: _____

2. Name of tool: _____

Use: _____

3. Name of tool: _____

Use: _____

4. Name of tool: _____

Use: _____



(2, 4 marks)

ii. Suggest **one** type of fabric Leanne can use for her pair of trousers. Give a reason for your answer.

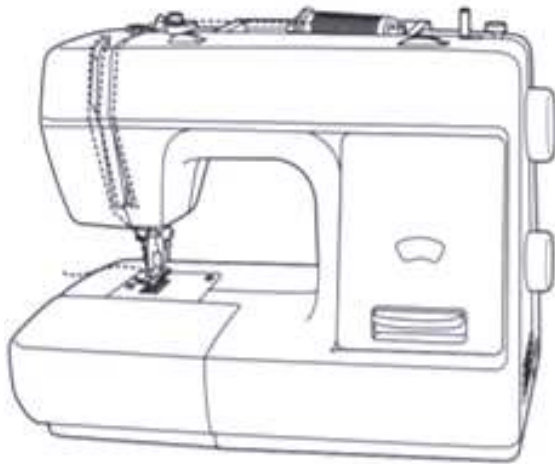
Fabric: _____

Reason: _____

(2 marks)

c. Leanne is ready to sew her pair of trousers. The following diagram shows how to thread a sewing machine.

Using the key words in the box below, list the steps to follow to thread the sewing machine.



Key words:

- spool pin
- thread guide
- tension discs
- take-up lever
- needle

Step	Method
1	
2	
3	
4	
5	

(5 marks)

d. Various sewing threads can be used when sewing. Match the name of the sewing thread with its description.

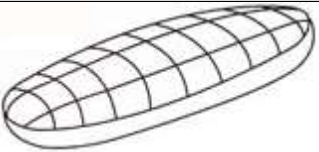


1	Cotton thread		It is elastic and used on very thin fabric.
2	Polyester thread		It is thicker than sewing thread as it consists of various yarns spun together. It is generally used for creative projects.
3	Silk thread		This thread does not stretch and is used for light or medium weight fabrics.
4	Embroidery thread		It is strong, long-lasting thread used for general sewing.

(2 marks)

e. i. List **two** pressing equipment Leanne would need to press her pair of trousers.

(1 mark)

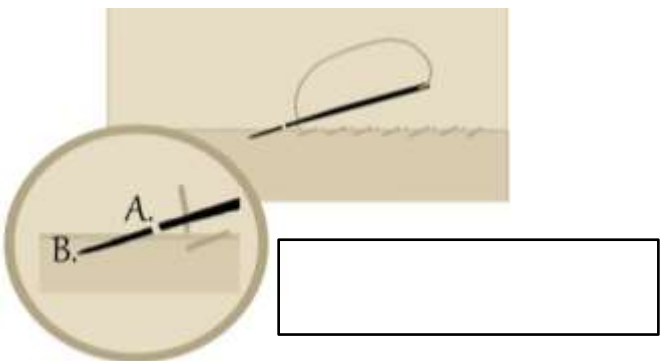
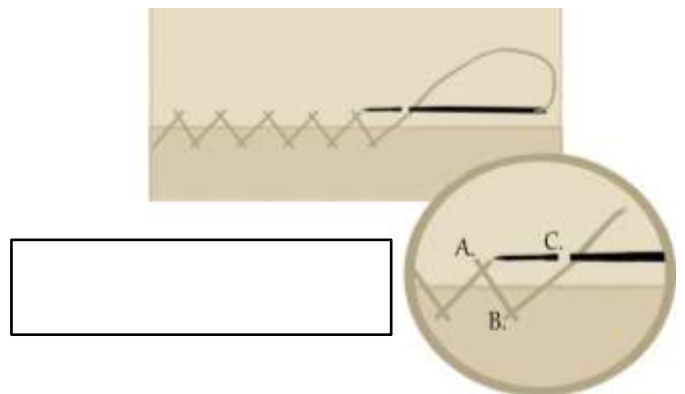
ii. Name the following **three** tools found in the Textiles Studies room and give the function of each one.

	Picture	Name	Function (Use)
1			
2			
3			

(3, 3 marks)

f. Whatever type of hem Leanne chooses to use, it is the last major step in sewing her garment.

i. In the spaces provided, write the names of these **two** hemming stitches.

(2 marks)

ii. Mention **two** types of finishes for an uncovered hem edge.

- _____
- _____

(2 marks)

6. All bodies are different and each individual should choose garments which suit their body figure.

a. Look at the picture below.

What is Samantha's body figure type? Underline the correct answer.

Apple shape	Hour glass	Rectangular shape
-------------	------------	-------------------

(1 mark)



b.

i. Keeping in mind her body figure type, design a suitable outfit to wear for her friend's birthday party. Colour your design.

(2, 2, 2 marks)

ii. Label **two** fashion features in the outfit drawn and write them in the boxes provided.

Fashion feature 1	
Fashion feature 2	


(2 marks)

iii. Point out **two** fashion features that Samantha should avoid to make her look at her best.

- _____
- _____

(2 marks)

- c. Samantha's friend, Joanne, has an inverted triangle body figure type. In the box below, sketch **one** outfit suitable for Joanne's body figure type.



(2, 2 marks)