

Design and textiles**Grade 12****Tutorial 1**

1(a) Explain the following terms:

(i) Filament fibres

(ii) Staple fibres [2]

(b) Explain how to make yarn from sheep's wool. [4]

(c) Explain the following performance characteristics of wool:

(i) Washability

(ii) Moth resistance

(iii) Elasticity [6]

(d) Discuss the differences between **three** construction methods used to make fabrics from wool. Give examples of garments or fashion accessories that could be made from the different wool fabrics.[8]

2 Fig. 2 is a drawing of the front and back views of an unlined skirt.

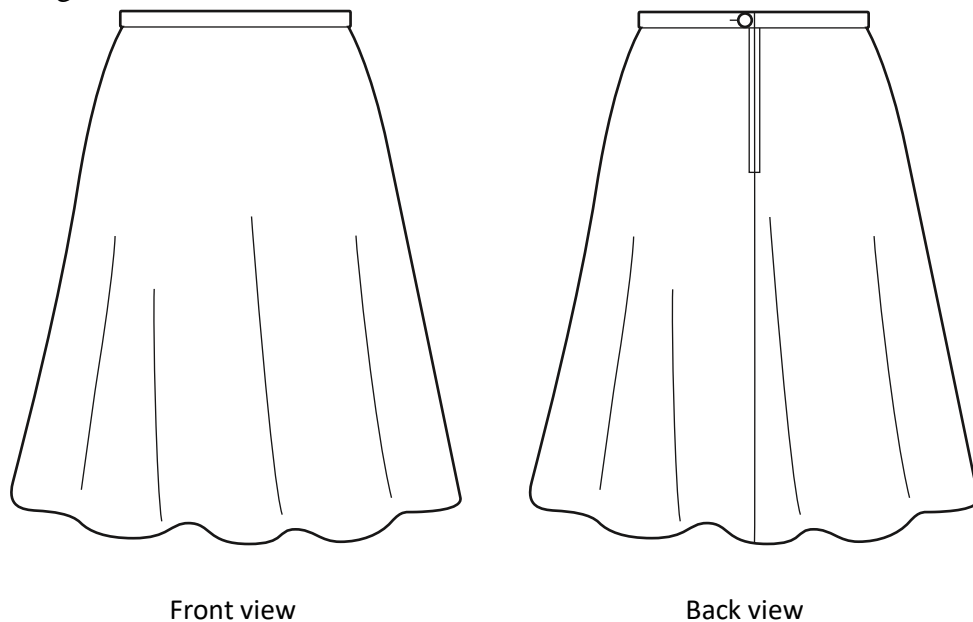


Fig. 2

(a) (i) The skirt in Fig. 2 has a stiffened waistband. Identify **one** different method of finishing a skirt waist. State **one** advantage of using this method.

[2]

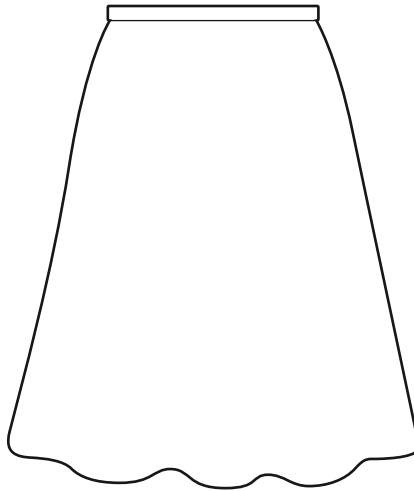
(ii) Identify **two** different pockets suitable for the skirt in Fig. 2. [2]

(b) Explain, using notes and labelled diagrams, write down the correct order of work to insert a zip into the centre back seam of the skirt shown in Fig. 2. [6]

(c) (i) Draw and label an original design for an embroidered pattern to go on the skirt in Fig. 2. You must label any colour used in your design.

[3]

(ii) Indicate an appropriate position of the design on the skirt in Fig. 3. [1]

**Fig. 3**

(d) Explain the advantages of using CAD to create and develop an embroidery design instead of using traditional design methods.[6]

3 (a) (i) Sketch and label the **front** and **back** views of a summer top. The top should have short raglan sleeves.[3]

(ii) Identify **one** suitable knitted fabric for the top in **4(a)(i)**. [1]

(iii) Give **three** reasons why the fabric named in **4(a)(ii)** is suitable for the summer top.[3]

(b) Explain how to lengthen the front pattern for the summer top in **4(a)(i)** to make a dress. You may use labelled diagrams to support your answer.

(c) Compare the different hem finishes that could be used when making garments. Give examples of fabrics and styles to support your answer. [8]

4(a) (i) State **one** use for each of the following machine stitches:

Zig-zag stitch

Overlocking

Free machining [3]

(ii) Explain how to do zig-zag stitch using a sewing machine.[4]

(b) (i) Identify the production method used to make a unique dress for a special occasion.[1]

(ii) State **four** ways the production method named in 4(b)(i) is different from other production methods.[4]

(c) Discuss the factors to consider when selecting a pattern, fabrics and components for a dress to be worn at a special occasion. Give reasons and examples to support your answer.[8]

5 (a) Outline the factors to consider when choosing a sewing machine to use at home. [5]

(b) Fig. 4 is a drawing of a calico shopping bag.



Fig. 4

(i) Identify a suitable fastening that could be added to the finished bag in Fig. 4.[1]

(ii) Give **two** reasons for your choice of fastening in 5(b)(i). [2]

(iii) Explain why cotton is an environmentally friendly fibre.[2]

(iv) State **two** reasons why calico is a suitable fabric for a shopping bag. [2]

(v) Compare **four** different ways to apply a coloured design or pattern to the calico fabric for the bag in Fig. 4. Give reasons and examples to support your answer.

6. Contemporary fashion wear is popular with consumers.

(a) Describe what is meant by the following and give one example of each:

(i) fashion fads [3]

(ii) fashion revivals [3]

(b) Discuss how the choice of seams and edge finishes in garment manufacture is affected by the type of fabric used. [9]

(c) Compare the advantages and disadvantages of three different types of retail outlets that sell fashionable sportswear. [10] [Total: 25]