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**DESIGN AND TEXTILES**

**9631/01**

Paper 1 Fibres, Fabrics and Design

**October/November 2016**

**2 hours**

No Additional Materials are required.

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**READ THESE INSTRUCTIONS FIRST**

An answer booklet is provided inside this question paper. You should follow the instructions on the front cover of the answer booklet. If you need additional answer paper ask the invigilator for a continuation booklet.

Answer **three** questions in total.

**Section A**

Answer **both** questions.

**Section B**

Answer **one** question.

Illustrate your answers with clear, well-spaced diagrams.

You may, if you wish, use the silhouette on page 4 to produce outlines for your sketches. Place the silhouette under a sheet of paper in the answer booklet and trace the outline in pencil.

The number of marks is given in brackets [ ] at the end of each question or part question.

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This document consists of **4** printed pages and **1** Insert.

**Section A**

Answer **both** questions.

- 1** Wool and acrylic fibres are often used in fabrics for clothing.
- (a) (i) Explain with the use of a diagram the microscopic view of wool fibres. [3]
- (ii) Explain **three** reasons why wool can be successfully blended with acrylic. [6]
- (b) Explain how colour variations can be achieved on woven wool fabrics. You may use diagrams to support your answer. [6]
- (c) Discuss the differences between **five** performance characteristics of fabrics made from wool fibres with those made from acrylic fibres. [10]
- [Total: 25]**

- 2** There is a wide range of fabrics used in clothing. Fabrics may be constructed in different ways.
- (a) (i) Describe the construction of the following:
- cotton twill;
  - viscose jersey;
  - nylon raschel. [6]
- (ii) For **each** fabric named in **2(a)(i)** suggest **one** item of clothing that the fabric could be used for and explain why the fabric is suitable for that use. [9]
- (b) Explain how CAD can be used to develop woven or printed patterns when designing fabrics. [10]
- [Total: 25]**

**Section B**

Answer any **one** question.

**3** Design trends are important in the manufacture of ladies' fashion.

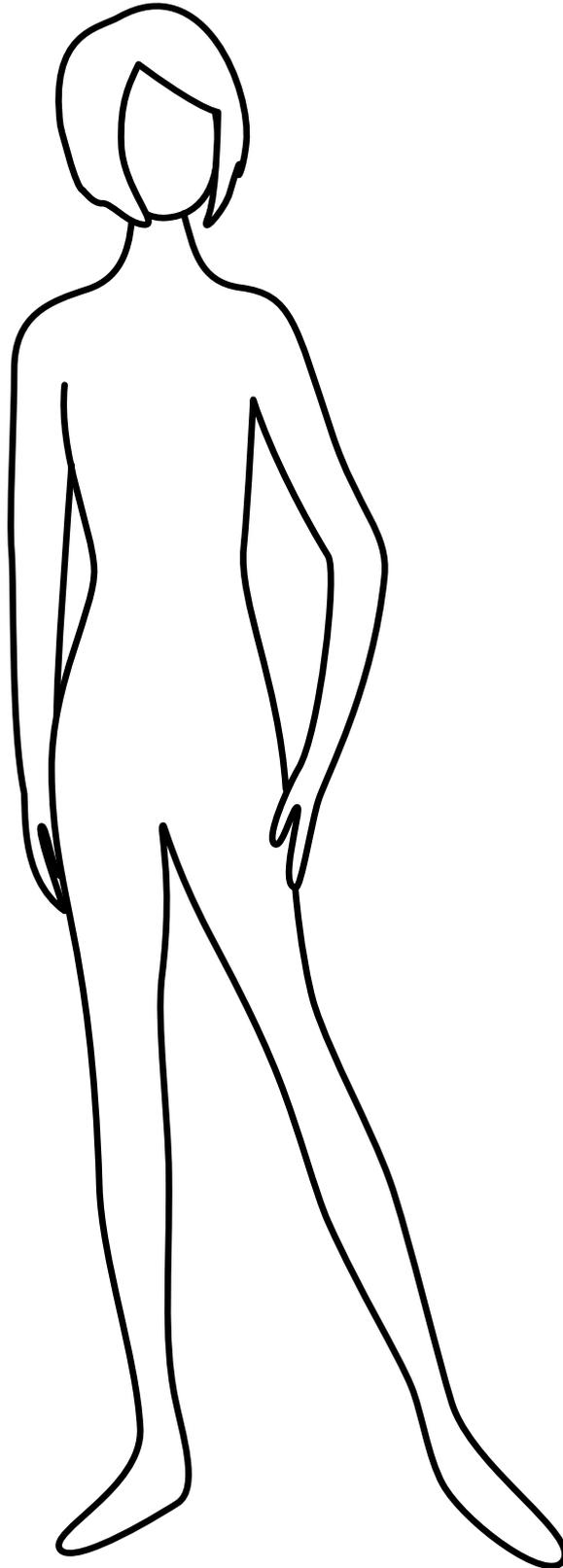
- (a) State what is meant by a 'classic trend' in fashion and give **two** examples to support your answer. [3]
- (b) Draw the front and back views of **two** different skirts which use current design trends. Name the trends you have used. [6]
- (c) (i) Explain why it is necessary to make a prototype of a skirt before it goes into production. [4]
- (ii) Describe the stages involved in making a prototype for a skirt. [6]
- (d) Discuss the importance of fashion cycles in designing fashion garments. [6]

**[Total: 25]**

**4** There are many stages involved in clothing manufacturing.

- (a) (i) Outline **four** factors that will influence a fashion designer when producing new garment designs. [4]
- (ii) Explain how a fashion designer and manufacturer will decide which fabrics to use when planning to make garments. [4]
- (b) Explain what is meant by the following terms used in garment manufacturing, giving detailed examples for each:
- (i) grading; [3]
- (ii) quality control; [3]
- (iii) pressing and steaming. [3]
- (c) Explain why fashion designers use knitted fabrics to produce ladies' fashion items. Include examples to support your answer. [8]

**[Total: 25]**



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