Design and Textiles

Grade 13

Tutorial 1

1. Weaving is widely used to construct fabrics.

(a) Explain the basic structure of a plain woven fabric. [4]

(b) Using sectional diagrams, compare the structure of:

(i) a named woven jacquard fabric

(ii) a named woven pile fabric.[6]

(c)Assess the performance characteristics of both named fabrics in (b) . [8]

(d) Discuss how the performance characteristics of a knitted pile fabric differs from that of a woven pile fabric.[

2. There is a wide range of textile fibres available for textiles production.

(a) State the sources of

(i) Viscose

(ii) Triacetate

(iii) Polyester

(iv) Acrylic   [4]

 (b) Describes the results you would expect to find when using the following tests on each of the fibres (i)- (iv) listed in (a).

(i) Microscopic test   [4]

(ii) Standard burning test   [4]

(c) Discuss the importance of the test results in (b) in relation to the performance characteristics of each fibre (i- iv) listed in (a).   [8]

 (d) Assess the reasons for using elastane fibres as part of a fibre blend, for fashion clothing.   [5]

 3.Clothing production uses a wide range of production methods.

 (a) Explain what is meant by 'one-off' production in garment manufacture. [2]

 (b) Compare the methods of spreading and cutting processes available to the garment

manufacturer for:

(i) one-off production; [3]

(ii) batch production/mass production. [3]

(c) Discuss the advantages of choosing the 'one-off' method of production for clothing. [7]

(d) Assess the variety of hems which are available to an one off manufacturer for different garments. [10]

4. 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]