

TECHNOLOGY AND LIVING (FASHION, CLOTHING AND TEXTILES)

PAPER 2

(Sample Paper)

Time allowed: 2 hours

This paper must be answered in English

1. This paper consists of THREE sections, A, B and C. Each section carries 40 marks.
2. Attempt TWO sections only. Write your answers in the answer book provided.
3. Answers should be presented in an orderly way.
4. Tables and diagrams should be included wherever appropriate.
5. Graph paper and supplementary answer sheets will be supplied on request. Write your candidate number on each sheet, and fasten them with a string inside the answer book.

SECTION A Culture and Fashion Design

Answer **ALL** questions in this section.

Short Questions:

1. Explain how fashion trends are affected by the following factors. Illustrate your answer with suitable example.

- (a) life styles (3 marks)
- (b) economic background (3 marks)

Total: 6 marks

2. Compare the career prospects of working as a designer for haute couture market and ready-to-wear market. (4 marks)

Total: 4 marks

Data analysis questions:

3. Study the following two pictures of wedding dresses.



Photograph I



Photograph II

- (a) Give **TWO** different design features used in each of the wedding dress shown. (4 marks)
- (b) Compare the silhouette of the two wedding dresses. (2 marks)
- (c) (i) State the colour scheme used in each of the above wedding dresses. (2 marks)
- (ii) Explain how the cultural beliefs affect the choice of colours in these two wedding dresses. (3 marks)
- (d) For the wedding dress shown in photograph II, suggest **TWO** accessories that carry symbolic meaning. Explain your answer. (4 marks)

Total: 15 marks

Essay Question:

5. Discuss the impact of Mainland and Hong Kong Closer Economic Partnership Arrangement (CEPA) on the opportunities of fashion designers in Hong Kong. (15 marks)

Total: 15 marks

SECTION B Textiles and Textile Technology

Answer ALL questions in this section.

Short Questions:

1. (a) What is the advantage of blending the following fibres?
 - (i) polyester/cotton (1 mark)
 - (ii) wool/acrylic (1 mark)
- (b) Describe **TWO** ways to produce blended fabric. (2 marks)
- (c) How does the level of twist affect the yarn properties? (2 marks)

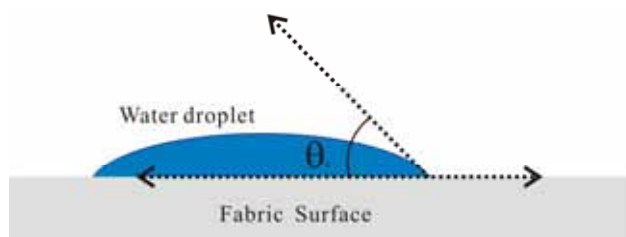
Total: 6 marks

2. (a) Suggest a suitable printing method to achieve the following effects.
 - (i) coloured pattern printed on a white fabric (1 mark)
 - (ii) fine and light coloured lines printed on a dark coloured fabric. (1 mark)
- (b) Why permanent pleating cannot be done on cellulosic fabric? Which fabric is more suitable for this treatment? (2 marks)

Total: 4 marks

Data analysis questions:

3. An experiment to find out the property of cotton and polyester fabrics was carried out by four groups of students. The diagram below shows how the water contact angle (θ_c) is measured.



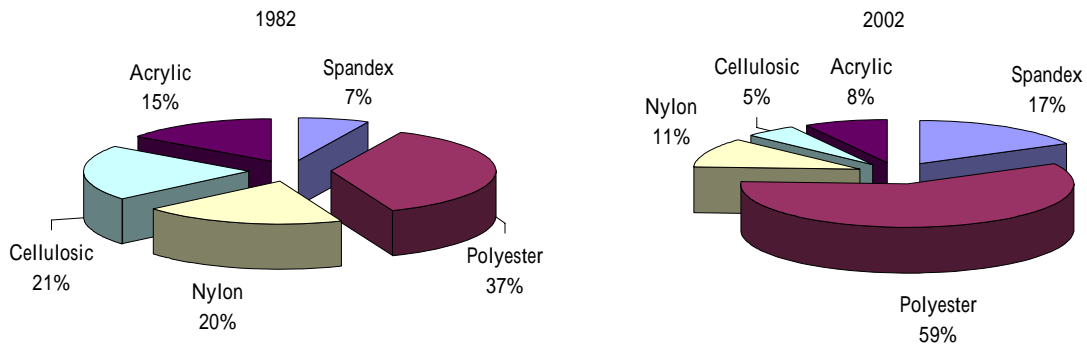
The results are shown in the following table.

	Water contact angle ($^{\circ}$)	
	Cotton fabric	Polyester fabric
Group 1	12	50
Group 2	10	53
Group 3	15	52
Group 4	13	51

- (a) Find the average water contact angle for cotton fabric and polyester fabric respectively. (2 marks)
- (b) What does the water contact angle of a fabric represent? (1 mark)
- (c) Comparing the results of the cotton and polyester fabrics, what conclusion can be drawn? (2 marks)
- (d) If the experiment was repeated with rayon fabric, how would the results of rayon fabric differ from that of the polyester fabric? (2 marks)
- (e) Suggest a fabric finish to increase the contact angle of polyester fabric. (1 mark)

Total: 8 marks

4. The figure below shows the worldwide fibre production share in 1982 and 2002.



- (a) (i) With reference to the above information, which fibre type has the greatest relative percentage change? Show your calculation. (2 marks)
- (ii) List **TWO** advantages of using the fibre mentioned in (a) (i) (2 marks)
- (b) Cellulosic fibre share has declined from 21% in 1982 to 6% in 2002. What are the possible reasons resulted in this decline? (3 marks)

Total: 7 marks

Essay Question:

5. Using an outdoor activewear with layering system as an example, discuss the use of various high-performance textiles. (15 marks)

Total: 15 marks

SECTION C Apparel Industry*Answer ALL questions in this section.*

Short Questions:

1. (a) What is mass customization? (1 mark)
- (b) What are the advantages of this mode of manufacturing? (2 marks)

Total: 3 marks

2. Many garment producers have transited their business from the mode of Original Equipment Manufacturing to Original Design Manufacturing.
- (a) What are the differences between these modes? (4 marks)
- (b) What are the benefits that attract companies to have this move? (3 marks)

Total: 7 marks

Data analysis questions:

3. John is a designer and owner of a boutique which sells Tee-shirts to teenager market. The following shows the sales figures of his products launched since April in this summer season.

Style of T-shirt	Sales figures of the products in each month since April					
	April	May	June	July	August	September
A	105	217	182	50	0	0
B	210	360	60	0	0	0
C	85	170	165	111	70	0

- (a) Which style is the best seller? (1 mark)
- (b) Which style has the longest product life cycle? (1 mark)
- (c) Use style A as an example, match the months with the corresponding stages of product life cycle. (4 marks)
- (d) Some styles go out of the market before summer holiday. Suggest **TWO** different strategies to John for this situation. (2 marks)

Total: 8 marks

4. Study the table below.

Area	Market
Women's Day wear	Haute couture, ready-to-wear, mass market
Women's Evening wear	Haute couture, ready-to-wear, mass market
Men's Day wear	Tailoring, ready-to-wear, mass market
Teenage wear	Ready-to-wear, mass market

- (a) Compare the haute couture market and ready-to-wear market and state their advantages and disadvantages. (3 marks)
- (b) Explain why haute couture is more commonly found in the area of women's evening wear. (2 marks)
- (c) Suggest why fashion industry relies more on mass market sales. (2 marks)

Total: 7 marks

Essay Question:

5. Since 1990s, many Hong Kong Apparel companies have moved the production department to Mainland China and maintained the merchandising department in Hong Kong to coordinate the trading activities. Besides, many companies have not sourced apparels in Hong Kong but adopted the Outward Processing Arrangement (OPA). Discuss the impact of this globalization process to Hong Kong apparel industry. (15 marks)

Total: 15 marks

END OF PAPER