ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

General Certificate of Education Advanced Level

TEXTILE TECHNOLOGY AND DESIGN 6069/1

PAPER 1 Theory

SPECIMEN PAPER 3 hours

Additional materials:

Answer paper,
Coloured pencils (not yellow),
Silhouette,
Small piece of fabric, needle and thread,
1 x A4 plain bond/transparent paper.

TIME 3 hours

INSTRUCTIONS TO CANDIDATES

Write your name, Centre number and candidate number on the answer paper.

Section A

Answer **all** questions in Section A on the separate answer sheets provided.

Section B

Answer any **three** questions.
Write your answers on the separate answer sheets provided.
If you use more than one sheet of paper, fasten them together.
Illustrate your answers with clear, well-spaced diagrams where necessary.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [ ] at the end of each question or part question.
The silhouette is provided for use in the examination.
You are reminded of the need for clear presentation in your answers.

This question paper consists of 4 printed pages.

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Section A

Answer **ALL** the questions in this section.

1 **(a)** Define the following terms:

(i) Polymerisation; [1]
(ii) Pile; [1]
(iii) Yarn count; [1]
(iv) Denier. [1]

(b) Identify and describe the **two** classes of polymers. [4]

(c) **(i)** Explain any **four** requirements of fibre forming polymers. [8]

(ii) Identify **two** similarities and **two** differences between wool and silk polymers. [4]

(d) Explain the following terms used in production:

(i) one-off production; [2]
(ii) prototype production. [2]

2 **(a)** **(i)** **Either** illustrate **or** describe the **three** parts of a novelty yarn. [3]

(ii) Label and describe parts of the yarn illustrated in figure 1.

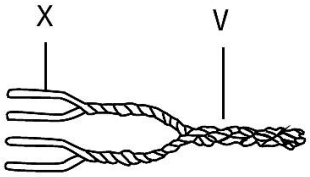


Figure 1

[3]

(b) Distinguish between the following:

(i) Basket and ribbed weaves; [2]
(ii) Satin and sateen; [2]
(iii) Simple and complex yarns; [2]
(iv) Block and graft polymers; [2]
(v) Mechanical and chemical fabric finishes. [2]

Section B

Answer any **three** questions from this section.

3 Discuss any **five** properties of polyester that make it desirable as a blend to cotton or wool fibres. [20]

4 Your friend has invited you to dinner.

(a) **(i)** Design a garment(s) you would wear for the occasion. Show the front and back views. [6]

(ii) Label any **six** style features. [3]

(iii) Suggest **one** suitable fabric for the garment and give its fibre content. [1]

(iv) Identify any **two** accessories you would wear together with the garment(s). [1]

(b) **(i)** Justify your choice of colour, fabric and design. [6]

(ii) Explain how you would launder the garment made from the suggested fabric. [3]

5 Explain how a textile design entrepreneur can use the marketing mix to conduct a marketing audit. [20]

6 **(a)** Knitted fabrics are gaining popularity in today's world because of their versatility. Justify this statement. [10]

(b) Distinguish dyeing from printing. [2]

(c) **(i)** Design a motif to print on a table cloth. [4]

(ii) Name and describe the method you would use to print the motif onto the table cloth. [4]

7 Using a flow chart, describe the processes and procedures conducted during quality inspection in garment manufacturing. [20]

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