



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

FASHION, CLOTHING AND TEXTILES

MODULE: Fundamentals of Textile Design PAPER NO: 455/22/M06A

DURATION: 3 hours

OCTOBER/NOVEMBER 2024 EXAMINATION

REQUIREMENTS

1. Answer booklet
2. Pen
3. Pencil
4. Ruler

INSTRUCTIONS TO CANDIDATE

1. Answer any five (5) questions.
2. All questions carry equal marks.

PAPER NO: 455/22/M06A – FUNDAMENTALS OF TEXTILE DESIGN

QUESTION 1

Textile knowledge is vital for customers.

- a) Justify the above statement by stating any five (5) reasons why it is important to inform consumers about textiles. (5 marks)
- b) Cite any five (5) consumer rights related to textiles. (5 marks)
- c) Discuss the following textile Acts:
 - i) Wool Labelling Act (3 marks)
 - ii) Care Labelling Act (4 marks)
 - iii) Flammable Fabric Act (3 marks)

QUESTION 2

- a) Classify textile finishes and give at least three (3) examples of finishes under each class. (16 marks)
- b) Outline two (2) advantages of using fabrics made from the following methods:
 - i) Weaving (2 marks)
 - ii) Knitting (2 marks)

QUESTION 3

- a) Relate how the following tests are done:
 - i) Burning test (4 marks)
 - ii) Chemical/solubility test (3 marks)
 - iii) Microscopic examination (3 marks)
- b) Describe the following terms:
 - i) Dew retting (5 marks)
 - ii) Tank retting (5 marks)

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QUESTION 4

Discuss the following methods of fabric construction:

- a) Felting (4 marks)
- b) Braiding (4 marks)
- c) Lacing (4 marks)
- d) Bonding (4 marks)
- e) Netting (4 marks)

QUESTION 5

- a) Outline the functions of the following parts of a loom:
 - i) Shuttle (2 marks)
 - ii) Heddles (3 marks)
 - iii) Cloth beam (2 marks)
 - iv) Reed (4 marks)
 - v) Whip roll (4 marks)
- b) Describe any five (5) properties of cotton. (5 marks)

QUESTION 6

- a) Illustrate five (5) basic categories of care symbols. (10 marks)
- b) State the category which the following fibres fall into, for example, Asbestos – Mineral.

	FIBRE	CATEGORY
i)	Wool	
ii)	Rayon	
iii)	Cotton	
iv)	Polyester	
v)	Flax	
vi)	Modacrylic	
vii)	Silk	
viii)	Jute	
ix)	Hair	
x)	Spandex	

(10 marks)

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QUESTION 7

Differentiate between:

- | | | |
|----|---------------------------|------------|
| a) | Filament and staple fibre | (10 marks) |
| b) | Printing and dyeing | (10 marks) |

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