



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: Textile Technology

**PAPER NO: 455/23/M05A
455/22/M05A**

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

Answer booklet and pen.

INSTRUCTIONS TO CANDIDATE

- 1. Answer any five (5) questions.**
- 2. All questions carry 20 marks each.**

QUESTION 1

- (a) Define the following terms in textiles
- (i) Texture (2 marks)
 - (ii) Filament (2 marks)
 - (iii) Lustre (2 marks)
 - (iv) Felting (2 marks)
 - (v) Fiber (2 marks)
- (b) Outline the procedures observed when carrying out a burning test. (5 marks)
- (c) Write down five (5) methods of fibre identification besides burning test. (5 marks)

QUESTION 2

- (a) Briefly describe the four (4) major methods of fabric construction. (8 marks)
- (b) Explain the importance of using knitted fabrics. (4 marks)
- (c) Describe the functions of any four parts of a loom. (8 marks)

QUESTION 3

- (a) Briefly discuss the following processes in the production of linen.
- (i) Retting (2 marks)
 - (ii) Breaking (2 marks)
 - (iii) Scutching (2 marks)
 - (iv) Hackling (2 marks)
 - (v) Drawing (2 marks)
- (b) Explain the importance of textile knowledge to the consumers. (10 marks)

QUESTION 4

Explain three (3) textiles finishes that fall under the following classes and state two advantages of each finish.

- (a) mechanical (10 marks)
- (b) chemical (10 marks)

QUESTION 5

- (a) Outline any five (5) types of dyes giving an example of a fibre where each can be used. (10 marks)
- (b) Explain the following problems faced when applying colour on a fabric:
 - (i) Migration (2 marks)
 - (ii) Bleeding (2 marks)
 - (iii) Fading (2 marks)
 - (iv) Crocking (2 marks)
 - (v) Colour fastness (2 marks)

QUESTON 6

Explain any five (5) properties of the following:

- (a) Cotton (5 marks)
- (b) Wool (5 marks)
- (c) Polyester (5 marks)
- (d) Nylon (5 marks)

QUESTION 7

- (a) Define a consumer (2 marks)
- (b) Outline five (5) basic human rights that consumers are entitled to observe. (10 marks)
- (c) Explain four (4) key responsibilities that consumers are expected to uphold. (8 marks)