

GENERAL CERTIFICATE OF EDUCATION BOARD
Technical and Vocational Education Examination

JUNE 2025

KAWLO

INTERMEDIATE LEVEL

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| Specialty Name and Acronym | BESPOKE TAILORING – BEST |
| Subject Title | Textile Technology and Equipment |
| Subject Code N | 5180 |
| Paper No | 2 |

Duration: Two and a Half Hours

INSTRUCTIONS TO CANDIDATES

ANSWER FIVE QUESTIONS

- **Two from Section A**
- **Two from Section B**
- **One from Section C**

You are reminded of the necessity for good English and orderly presentation in your answers.

Turn Over

SECTION A

1. Textile fibers are obtained from varied sources and are used in multiple ways.

State the sources of the following group of fibers:

- a. Asbestos, Spun glass, metallic (5 marks)
- b. Sisal, Jute, Hemp, Kapok (5 marks)
- c. Mohair, Cashmere and Camel fur (5 marks)
- d. Nylon, Terylene, and Acrylic (5 marks)

Total marks (20 marks)

2. Define the following terms as applied in textiles

- a. Mercerization (5 marks)
- b. Scouring (5 marks)
- c. Screen printing (5 marks)
- d. Interloping (3 marks)
- e. Spinning (2 marks)

Total marks (20 marks)

3. Before a textile product or material enters the market for consumption,

It has received some treatment.

- a. State five (5) aims of textile treatment (10 marks)
- b. Classify finishing treatment into two groups (4 marks)
- c. Write brief notes on bleaching and mercerization (6 marks)

Total marks (20 marks)

4. One of the main techniques of constructing fabrics is through weaving.

- a. Define weaving (2 marks)
- b. State three (3) basic weave structures (3 marks)
- c. All woven fabrics have common characteristics.
 - i. Indicate four of them (8 marks)
 - ii. A woven structure characterized by yarn floats is..... (2 marks)
- d. Identify two (2) types of yarns on a woven fabric (2 marks)
- e. List three (3) variations of plain weave fabrics (3 marks)

Total marks (20 marks)

SECTION B

5. Lubrication is very important in the care and maintenance of equipment.

- a. Mention five (5) advantages it has on the sewing machine (10 marks)
- b. Explain in details how it is best carried out in the fashion industry (5 marks)
- c. Differentiate between an industrial sewing machine and a domestic sewing machines (5 marks)

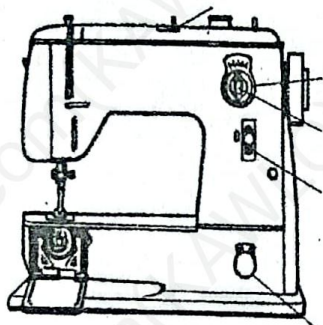
Total marks (20 marks)

6. Every seamstress works with a set of tools to achieve accurate results.

- a. Cite four (4) measuring tools (4 marks)
- b. Mention three (3) tools for transferring patterns (3 marks)
- c. Give the name of the tool used in protecting the finger during sewing (2 marks)
- d. State four (4) ways to care for a steam iron (8 marks)
- e. State three (3) types of hand sewing needle (3 marks)

Total marks (20 marks)

7. Pressing in garment construction is essential to give a good, beautiful and attractive look to the garment.
- Define pressing (1 mark)
 - Mention any six (6) pressing equipment (6 marks)
 - State two(2) marking equipment and four drawing tools (6 marks)
 - State the name given to a weaving machine (1 mark)
 - Give the functions of the following machines parts
 - Warp beam (1 mark)
 - Heddles (1 mark)
 - Shuttle (1 mark)
 - Reed (1 mark)
 - Give the function of a tracing wheel (2 mark)
- Total marks (20 marks)**



8. With the aid of a line diagram
- Name ten (10) the parts of a domestic sewing machine (10 marks)
 - State five (5) uses of a pinking shears (5 marks)
 - Mention five (5) important qualities of a tape measure (5 marks)
- Total marks (20 marks)**

SECTION C

9. You have been given a meter of grey baft (calico) in a company to improve on its quality.
- State the treatment that you will apply on it to make it whiter (4 marks)
 - Explain how each of the treatment is done (6 marks)
 - Give five (5) reasons why textile fibers are classified (10 marks)
- Total marks (20 marks)**

10. Explain the function of the following equipment
- Punching plier (5 marks)
 - Seam ripper (5 marks)
 - Hand cutting scissors (5 marks)
 - Steam pressing iron (5 marks)
- Total marks (20 marks)**

11. The following stains were identified on your mothers garment.

- a. Coffee stain on her cotton T-shirt
- b. Ink stain on her tergal trousers
- c. Pant stain on his polyester shirt
 - i. Identify the source of each of the stains above
 - ii. Discuss briefly how you would remove the stains
- d. Mention any four(4) laundry detergents and explain how to use them

(4 marks)

(8 marks)

(8 marks)

Total marks (20 marks)
