



**CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD**

**Technical and Vocational Education Examinations**

**JUNE XXXX**

**INTERMEDIATE LEVEL**

Subject Title	<b>TEXTILE TECHNOLOGY AND EQUIPMENT 2</b>
Subject Code No.	<b>5180</b>
Paper No.	<b>TWO</b>

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**THREE HOURS**

**Answer FIVE Questions, TWO from section A, TWO from section B and ONE from section C.**

**In all cases involving calculations, you are advised to show all the steps in your working.**

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

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**SECTION A:**  
**TEXTILE TECHNOLOGY**  
**Instruction: Answer TWO Questions**

1. With the knowledge acquired in textile technology, briefly explain the following terms. (2 marks)
- a. Fibre (2 marks)
  - b. Finishes. (2 marks)
  - c. Ginning. (2 marks)
  - d. Sericine. (2 marks)
  - e. Cotton linters. (2 marks)
  - f. Labelling. (2 marks)
  - g. Blending. (2 marks)
  - h. Weaving. (2 marks)
  - i. Yarn. (2 marks)
  - j. Braiding. (2 marks)
- Total = (20 marks)**

2. Finishes are processes carried out on fabrics and garments to improve on the look, durability and care properties.
- a. Explain briefly the following finishes
    - i. Singeing
    - ii. Mercerizing
    - iii. Dyeing
    - iv. Flame retardant
    - v. Calendaring
  - b. Distinguish between water repellent and water proof finishes
  - c. These finishes cannot be applied on all types of fabrics of natural origin, why?
  - d. Identify the fabric origin that can be best finished with each of the above treatments.
- Total = (20 marks)**

3. a. Explain the term, non-woven fabrics. (3 marks)
- b. State four types of non-woven fabrics that are found in our local market today. (4 marks)
- c. Briefly explain five steps used in making non-woven fabrics. (10 marks)
- d. Mention any three (3) advantages and disadvantage of non-woven. (3 marks)
- Total = (20 marks)**

4. Your first job in a workshop is to identify the different fabrics presented to you by burning samples in order to sort their generic groups. After burning samples of five fabrics, you discovered that the fabrics were Cotton, Rayon, Polyester, Acrylic and Nylon.

Tabulate your results making use of the following topics for observation. (5 x 4 marks)

Fabric	Reaction towards flame	Reaction with flame	smell	residue
Cotton				
Rayon				
Polyester				
Acrylics				
Nylon				

**Total = (20 marks)**

**SECTION B:**  
**TEXTILE TECHNOLOGY**  
**Instruction: Answer TWO Questions**

5. In the dry cleaning unit where you went for internship during holidays, you were required to study the care label on articles brought by customers and give direction for cleaning, bleaching, drying and pressing.

- a. Give the meanings of the following symbols seen below. (10 marks)



- b. Draw and label four ironing symbols. (8 marks)  
c. Give two importance of textile labels. (2 marks)

**Total = (20 marks)**

6. The following equipment are needed for the production of a garment; Table , 301 machine, pressing iron, cutting scissors, seam ripper, thimble, dress stand, tape measurement.

- a. Using this table below, classify and give their functions.

Post	Equipment	Function

- b. Mention five (5) ways on how to care for a pressing iron. (15 marks)  
(5 marks)

**Total = (20 marks)**

7. The sewing machine produces different movement when it is functioning.
- Identify these movements and the part of the machine for the movement. **(10 marks)**
  - Explain how to avoid accidents in an ironing work post. **(5 marks)**
  - Give five (5) ways of caring for a sewing machine. **(5 marks)**

**Total = (20 marks)**

**SECTION C:**  
**TEXTILE TECHNOLOGY**  
**Instruction: Answer TWO Questions**

8. Sewing machines are used to join two or more pieces of fabrics together and most often, they usually have faults during the working processes. In the table below, list three causes and the remedy of each fault.

FAULT	CAUSES	REMEDY
Thread breaking		
Needle breaking		
Skipped stitches		
Seam puckering		
Needle unthreading frequently		

**Total = (20 marks)**

9. The Loom is one of the machine used for fabric construction. **(7 marks)**
- List seven (7) parts of a Loom **(3 marks)**
    - Draw and label a heddle. **(3 marks)**
  - Draw a hand cutting scissors and label all the parts **(5 marks)**
  - Mention 3 accidents that occur in a spreading and cutting post.  
Give a possible preventive measure. **(5 marks)**

