

072305T4FSH

FASHION DESIGNER LEVEL 5

FAS/OS/FD/CR/01/5/A

PERFORM SEWING MACHINE OPERATIONS

JULY /AUGUST 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

TIME 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. The paper consists of **TWO** sections: **A** and **B**.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets ().
4. Do not write on the question paper.

This paper consists of 4 printed pages

**Candidate should check the question paper to ascertain that all pages
are printed as indicated and that no questions are missing**

SECTION A: (40 MARKS)

Answer ALL questions in this section

1. Sewing machine operation is the initial skill any fashion designer ought to possess to sew garments successfully. Define the following terms as used in sewing machine operations.
 - a) Threading (1 mark)
 - b) Troubleshooting (1 mark)
 - c) Maintenance (1 mark)
 - d) Bobbin winding (1 mark)
2. Personal protective equipment is specialised clothing designed to protect individuals from hazards and risk when performing a practical task. State **three** personal protective equipment used during sewing machine operation. (3 marks)
3. A sewing machine is used to join two or more garment pieces together. Identify **four** types of machines found in a garment making workshop. (4 marks)
4. Before using a sewing machine, it should be set up based on machine type and operating procedure. State **three** activities done when setting up a sewing machine. (3 marks)
5. A sewing machine must be operated effectively in order to achieve good quality results. Identify **four** points to consider when operating a sewing machine. (4 marks)
6. In sewing machine operations each tool is used for a specific task. State the use of the following tools;
 - a) Screw driver (1 mark)
 - b) Tweezer (1 mark)
 - c) Allan keys (1 mark)
 - d) Pliers (1 mark)
7. For a machine to be durable and function well proper servicing should be done. Identify **four** activities done when servicing a sewing machine. (4 marks)
8. Occupational Safety and health requirements are guideline and standards put in place to ensure well-being of workers at workplace. Outline **three** advantages of adhering to these guidelines. (3 marks)

9. Tools and equipment for sewing machine operation should be checked for their serviceability, efficiency and sufficiency first before they are used. Highlight **three** reasons for doing this. (3 marks)
10. Sewing machine operations' workshop must have rules and regulations that govern the users for their own safety and safety of the machines. Identify **four** accidents that may occur in the workshop. (4 marks)
11. The sewing machines are made of many pieces which synchronously work together to form stitches. Identify **four** mechanism areas of the sewing machine. (4 marks)

SECTION B: (60 MARKS)

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

12. A sewing machine has various part and each part is designed to perform a specific functions.

- a) Explain **seven** parts of sewing machine. (14 marks)
- b) Name **six** special sewing machine attachments (6 marks)

13. Troubleshooting involves observing the faults experienced during sewing

- a) Identify **four** sewing machine faults (4 marks)
- b) Outline **two** possible causes of each fault stated in number 13a above. (8 marks)
- c) Describe **two** possible remedies for each fault stated in number 13a above. (8 marks)

14. Bob a fashion designer would like to venture in clothing constuction enterprise.

- a) Explain **five** points Bob will consider when buying the sewing machines. (10 marks)
- b) Describe **five** ways that Bob will care for tools and equiment in the sewing machine operations workshop (10 marks)

15. You have been hired by a college to train their new trainees on sewing machine operation.

Describe the following sewing machine operation tasks .

- a) Oiling (4 marks)
- b) Setting up the machine (4 marks)
- c) Treadling (4 marks)
- d) Sewing machine control (4 marks)
- e) Stitching (4 marks)