

072304T4FSH

FASHION DESIGN LEVEL 4

FAS/OS/FD/CR/01/4/A

PERFORM SEWING MACHINE OPERATIONS

July/Aug 2023



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

PRACTICA

NT

INSTRUCTIONS TO ASSESSOR

1. You are required to mark the practical as the candidate perform the following tasks:
 - i. Identifies and obtains sewing machine tools, supplies and equipment
 - ii. Cleans, oils and operates sewing machine.
 - iii. Tests the machine using long and short stitches.
 - iv. Draws a straight line and a curved line on the piece of fabric provided and stitches along the lines.

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Reg. code			
Unit(s) of Competency	Perform Sewing Machine Operations		
Venue of Assessment			
Date of assessment			
<i>(Indicate the marks available and marks obtained respectively. Award marks appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)</i>			
Items to be evaluated:	rks allocated	Marks obtained	Comments
1. Identified and used PPE'S as per legal requirements • Gloves. (1 mark) • Dust coat (1 mark) • Flat shoes (1 mark)	3		
2. Gathered and obtained sewing machine operations tools and supplies appropriately based on standard operation. • Shear (1 mark) • A piece of fabric (1 mark) • Machine oil (1 mark) • Machine needle (1 mark)	8		

• Thread (1 mark) • Machine brushes (1 mark) • Pliers (1 mark) • Tweezer (1 mark)			
3. Identified the type of machine to operate in accordance with the standard operations • Straight stitch machine (1 mark)	1		
4. Cleaned the straight stitch sewing machine • Gathered the necessary supplies and Powered off and unplugged the (2marks) • Removed the needle and presser marks) • Removed the bobbin and bobbin case (2 marks) • Cleaned the feed dog and bobbin area (2 marks) • Cleaned the exterior (2 marks) • Reassembled the machine (2 marks)	12		
5. Oiled the sewing machine based on standard operating procedures. • Located and applied oil to the oiling points ○ Bobbin area (2marks) ○ Needle bar (2 marks) ○ Presser foot mechanism (2 marks) ○ Feed dogs (2 marks)	14		

○ Thread tension discs (2 marks) ○ Take-up lever (2 marks) • Wipe off excess oil (2 marks)			
6. Set up the sewing machine based on machine type and standard operation • Winded the bobbin and place in shuttle correctly ○ Disconnected the movement of the needle by loosening the motion screw which is found on the balance wheel ○ Pulled the thread from t spin and through thread ○ Placed the bobbin on the bobbin winder. Run the machine so that thread is wound evenly on the bobbin (1 mark) ○ Stopped before the bobbin is too full (1 mark) ○ Tightened the stop motions screw to reconnect the needle (1 mark) • Threaded the sewing machine ○ Placed the thread on spool spin and take it through a guide tension disc (1 mark) ○ Passed to the tension disc and to the thread take up lever (1 mark)	18		

○ Pulled through the thread guides to the needle (1 mark) ○ Threaded from the direction of the last guide (1 mark) • Threaded the bobbin case ○ Placed the bobbin in the bobbin case (1 mark) ○ Pulled thread through the slit and under the tension spring (1 mark) ○ Placed the bobbin case in the shuttle with hook pointing upwards (1 mark) ○ Pressed it until the hook in position (1 mark) • Replaced the machine needle ○ Raised the needle Rotated it counter-clockwise to raise the needle to its highest position (1 mark) ○ Removed the old needle (1 mark) ○ Selected a new needle (1 mark) ○ Inserted the new needle (1 mark) ○ Lowered the presser foot Rotated it counter-clockwise to lower the needle to its lowest position (1 mark)			
7. Obtained sewing machine service and maintenance requirement based on work place policy	2		

Cut pieces of fabric to test the stitches, draws the straight and curved lines (2 marks)			
8. Operated sewing machine based on standard operation procedure. - Took a sit to start operating the machine (1 mark) - Turned the machine on (2 marks) - Raised the presser foot. (2 marks) - Placed the cut fabric pieces in between the feed dog and the presser foot. (2 marks) - Lowered the presser foot to press th - Started making the stitches - Turned off the machine	14		
9. Interpreted machine test results to determine adjustment requirements based on standard operation procedure. a. Long or short stitch length made (4 mark) b. Curved and straight stitches obtained. (4 marks) c. Slight puckering or no puckering (2 mark)	10		
10. Did machine service and maintenance as per standards operating procedures a. Tension disc checked and slight or no adjustment done. (2 marks)	2		

11. Observed occupational safety and health standards as per legal requirements.	6		
a. Covered the machine. (2 mark)			
b. Cleaned the work place (2 mark)			
c. Arranged tools and equipment in order. (2 mark)			
SUM TOTAL	90		
PRODUCT CHECKLIST			
	d	Rewarded	Comments
1. Presentation - Well labelled - Well pressed. - Well folded - Well packaged (Award 1 mark for each correct procedure)			
2. Stitches - Straight stitches correctly stitched - Curved stitches correctly stitched - Long or short stitches correctly stitched (Award 2 marks for each correct procedure)	6		
SUM TOTAL	10		
GRAND TOTAL	100		
SUM TOTAL			
Actual marks = $\frac{\text{Total marks obtained.}}{100} \times 100$			
100			

ASSESSMENT OUTCOMES

The candidate was found to be:

Competent ☐ Not yet competent ☐

(Please tick as appropriate)

(The candidate is competent if s/he gets 50% or higher)

Feedback from candidate:

Feedback to candidate:

Candidate's signature:

Assessor's signature:

Date: