

071506T4MTM

MECHANICAL TECHNOLOGY AND MAINTENANCE TECHNICIAN LEVEL 6

ENG/OS/MEM/CR/06/6

Perform Machine/ Equipment Maintenance

July/August 2025



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

PRACTICAL ASSESSMENT

Time: 5 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks:
 - i. Pump down the refrigerant from the split type air conditioner.
 - ii. Replace the filter dryer;
 - iii. Clean the condenser fins;
 - iv. Pressure test the unit;
 - v. Prepare the maintenance report.
2. You have been provided with the following resources for the practical tasks:
 - Split type air conditioning unit
 - Manufacturer manual
 - Leak detector/Soap solution/Foam spray
 - A new filter dryer.
 - Assorted copper tubes

- Long nose pliers
- Capillary tube cutter
- Appropriate tube benders
- Vacuum pump
- Adjustable spanner
- Manifold gauges with hoses
- Digital thermometer
- Appropriate refrigerant
- Flaring and swaging kit
- Allen keys
- Screwdrivers
- Pliers
- Refrigeration Vacuum pump
- Multi-meter
- Electrical insulation tape
- Crow hammer
- Copper tube cutter
- Deburring tool
- Lubricating oil
- Nitrogen cylinder with gas
- Soapy water
- Map gas
- Copper rods
- Brazing flux
- Filter dryer
- Refrigerant cylinder with compatible refrigerant
- Digital Weighing scale
- Testers
- Safety boots
- Dust coat/overall and gloves