

071906T4AEN

Agricultural Engineering Level 6

ENG/OS/AGR/CR/08/6/A

Install refrigeration and Air conditioning systems

July /Aug 2023



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

PRACTICAL ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE;

1. In this practical assessment, you are required to perform the following tasks:
 - (a) Carry out a complete diagnose of a refrigerator;
 - (b) Install a faulty compressor.

2. You are provided with following resources:
 1. Welding torch
 2. Hacksaw blade
 3. Tube cutters
 4. Service valve
 5. Brazing rod and flux
 6. Gauges and hoses (manifold gauge)
 7. Flaring and swagging toolkit
 8. Second hand refrigerator
 9. Digital thermometer
 10. Vacuum micron gauges

11. Multimeter
12. Recovery cylinder
13. Leak detectors
14. Screw drivers
15. Pliers
16. Testers
17. Refrigerant
18. Set of wrenches
19. Compressors
20. Evacuation machine
21. Flaring and swagging tool
22. Driers
23. Digital balance (weighing machine)
24. Map gas
25. Nitrogen/CO gas cylinder
26. Refrigerant recovery machine

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