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**071305T4EOP**

**ELECTRICAL OPERATION (POWER OPTION) LEVEL 5**

**ENG/OS/PO/CR/03/5/A**

**Install Electrical Machines Control System**

**Nov/Dec 2024**

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

easytvet.com

# PRACTICAL ASSESSMENT

**Time: 4 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

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

**This tool consists of THREE printed pages.**

**Figure 1** shows equipment's of a three-phase induction motor start delta starter control system. Referring to the figure, carry out the following tasks:

**TASK 1:** Draw a well labeled control circuit diagram:

**TASK 2:** Draw a well labeled power control circuit:

**TASK 3:** Draw a well labeled wiring diagram of the circuit.

**TASK 4:** Wire the motor control circuit using appropriate cables ***(let the assessor verify the circuit before powering)***

**TASK 5:** Connect the power supply and then test for operation and **ca**rry out the following tests;

i. Test for input supply
ii. Short circuit tests
iii. Open circuit tests

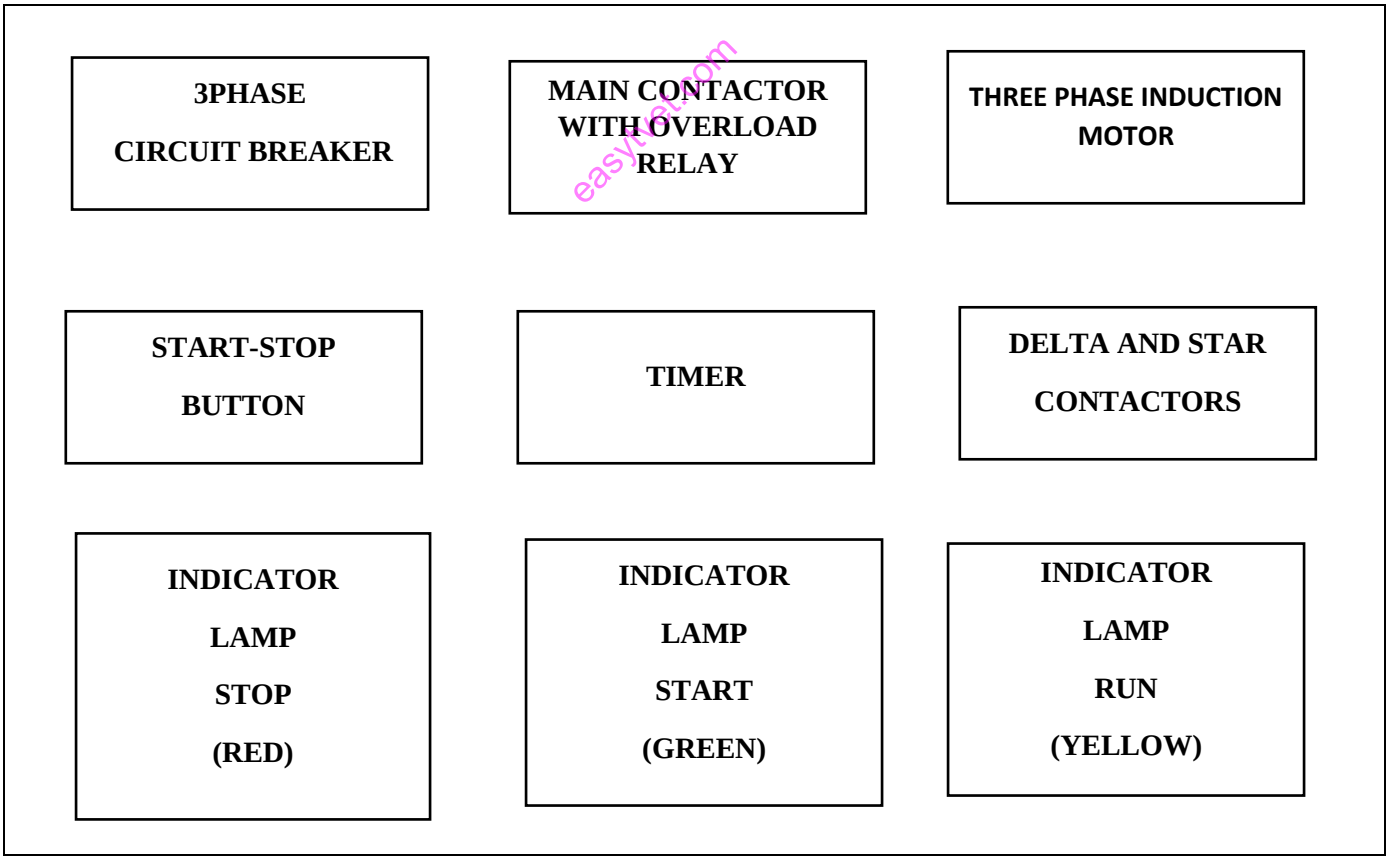



**Figure 1**

**THIS IS THE LAST PRINTED PAGE.**