



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

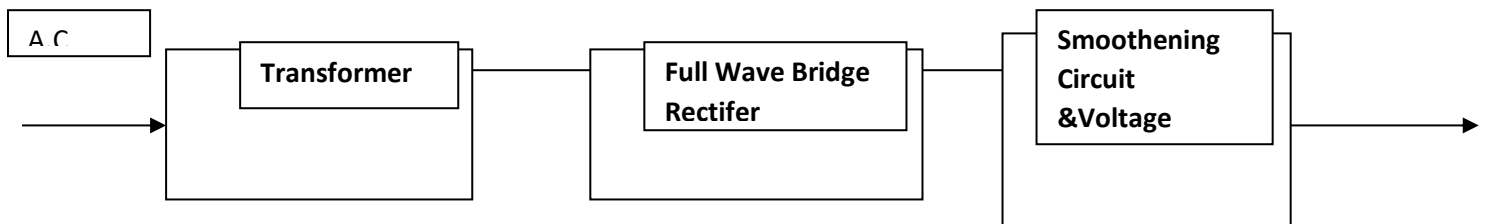
Qualification Code : 071606T4MCT
Qualification : Mechatronics Technician Level 6
Unit Code : ENG/OS/MC/CC/04/6/A
Unit of Competency : Apply Electrical and Electronics Principles

PRACTICAL ASSESMENT TOOL

INSTRUCTIONS TO CANDIDATE:

You are allocated **4 hours** to perform the following tasks;

- i. Draw an equivalent circuit diagram for the **figure** below on the given answer booklet.
- ii. Estimate material required to assemble and fabricate the circuit.
- iii. Fabricate and solder the electronic circuit on the strip board so that the circuit will give a voltage output of **4V**, **8V** and **12V**
- iv. Carry out all the necessary tests.



easytvvet.com