

DIRECTORATE GENERAL OF TRAINING (DGT)
ALL INDIA TRADE TEST, MAINS AUG 2026
CRAFTSMEN TRAINING SCHEME (CTS)
TRADE PRACTICAL EXAMINATION

TRADE: ELECTRICIAN (NSQF), 1st YEAR
SUBJECT: TRADE PRACTICAL
TRADE CODE: 442
PAPER CODE: 26/08/C/A-1/2

Date: 17/06/2026
Time: 8 Hrs
Max. Marks: 250
Min. Marks: 150

Note: Attempt all questions.

- 1) Measure the Electrical parameters using tong tester in three phase circuits. **(50 Marks)**
 - a. List requirements of tools, instruments and materials. **(10 Marks)**
 - b. Measure the AC voltage. **(15 Marks)**
 - c. Measure the AC current, frequency and other measurable parameters. **(25 Marks)**

- 2) Measure current and voltage and analyze the effects of shorts and opens in series and parallel circuits. **(80 Marks)**
 - a. List the tools, equipments, write procedure and draw the circuit diagram. **(20 Marks)**
 - b. Examine the effects of short and open circuited resistors in series circuits. **(30 Marks)**
 - c. Analyze the effect of short and open circuited resistors in parallel circuits. **(30 Marks)**

- 3) Measure current, voltage, power, energy and power factor in three phase circuits. **(120 Marks)**
 - a. List the tools, equipment, materials requirements and procedure. **(10 Marks)**
 - b. Draw the circuit diagram and make the connections as per the diagram. **(20 Marks)**
 - c. Measure current, voltage, power, energy and power factor. **(50 Marks)**
 - d. Record observations and analyze the performance of the three-phase system. **(40 Marks)**