

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

TRADE: ELECTRONICS MECHANIC (NSQF), 1st YEAR
SUBJECT: TRADE PRACTICAL
TRADE CODE: 446
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) Construct and test a shunt clipper. **(30 Marks)**
 - a) Write the list of tools and equipment required to perform the practical. **(2 Marks)**
 - b) Write the procedure for the above practical. **(2 Marks)**
 - c) Perform the above work with necessary safety precautions. **(26 Marks)**

- 2) Construct and test a function generator using IC 8038. **(50 Marks)**
 - a) Write the list of tools and equipment required to perform the practical. **(3 Marks)**
 - b) Write the procedure for the above practical. **(2 Marks)**
 - c) Perform the above work with necessary safety precautions. **(45 Marks)**

- 3) Demonstrate astable, monostable and bistable multivibrator using circuit's transistors. **(70 Marks)**
 - a) Write the list of tools and equipment required to perform the practical. **(3 Marks)**
 - b) Write the procedure for the above practical. **(2 Marks)**
 - c) Perform the above work with necessary safety precautions. **(65 Marks)**

- 4) Construct and test an RS flip-flop using IC 7400 with and without a clock pulse. **(100 Marks)**
 - a) Write the list of tools and equipment required to perform the practical. **(4 Marks)**
 - b) Write the procedure for the above practical. **(4 Marks)**
 - c) Perform the above work with necessary safety precautions. **(92 Marks)**