

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

**TRADE: ELECTRONICS MECHANIC (NSQF), 2<sup>nd</sup> YEAR**  
**SUBJECT: TRADE PRACTICAL**  
**TRADE CODE: 446**  
**PAPER CODE: 26/08/C/A-2/2**

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

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**Note: Attempt all questions.**

- 1) Perform initialization, load, and turn ON an LED with delay using a timer. **(30 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. **(25 Marks)**
  
- 2) Flash firmware on smartphones of various brands. **(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) List the defects and symptoms in a faulty SMPS. **(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. **(5 Marks)**
  - c) Perform the above work with necessary safety precautions. **(62 Marks)**
  
- 4) Troubleshoot faults in the given SMPS unit, rectify the defects, and verify output under load (record the troubleshooting procedure). **(100 Marks)**
  - a) Write the list of tools and equipment required to perform the practical. **(3 Marks)**
  - b) Write the procedure for the above practical. **(4 Marks)**
  - c) Perform the above work with necessary safety precautions. **(93 Marks)**