

**BILL OF MATERIAL (NSQF) REQUIRED FOR EACH TRAINEE FOR ALL INDIA
TRADE TEST OF CRAFTSMEN UNDER CRAFTSMEN TRAINING SCHEME
(SEMESTER PATTERN) FOR ENGINEERING/ NON- ENGINEERING TRADES
TO BE HELD IN JULY, 2018
SEMESTER - II**

ENGINEERING & NON-ENGG. TRADES

- 29/212. WELDER (NSQF LEVEL -4)**
- i) M.S pipe: diameter 50 mm x 100 mm x 3 mm Thick : 1 No.
 - ii) M.S pipe: diameter 50 mm x 75 mm x 3 mm Thick : 1 No.
 - iii) Aluminium pipe : diameter 50 mm x 150 mm x 3 mm Thick : 1 No.
- 31/217. DRAUGHTSMAN (CIVIL) (NSQF LEVEL -5)**
- i) Drawing sheet (A1) : 1 No.
 - ii) Prismatic compass with stand
 - iii) Ranging rods : 8 Nos.
 - iv) Measuring tape : 1 No.
 - v) Plane table with stand : 1 No.
 - vi) Plane table accessories set : 1 No.
- 33/231. ELECTRICIAN (NSQF LEVEL -5)**
- i) 1- phase energy meter : 1 No.
 - ii) MCB, ceiling fan : 1 No. each
 - iii) Tube light (40 W) : 1 No.
 - iv) Three pin socket : 1 No.
 - v) Lamp (100 W) : 1 No.
 - vi) Required material for conduit or casing -capping wiring : As required
 - vii) Tester : 1 No.
 - viii) Connecting wires : As required
 - ix) Earth tester /megger : 1 No.
 - x) Decorative light : 1 No.
 - xi) Faulty electric kettle and element, handle, fuse or any part of kettle which is faulty : 1 No.
 - x) Single phase transformer available in lab : 1 No.
 - xi) Variac (single phase, 0-270 V) : 1 No.
 - xii) Voltmeter (MI type, 0-300V) : 1 No.
 - xiii) Ammeter (MI type, 0-10 A) : 1 No.
 - xiv) Tools and accessories : As required
- 34/219. ELECTRONICS MECHANIC (NSQF LEVEL -5)**
- i) Transistor BC 107
 - ii) Resistors (100K Ω 2126, 10K Ω 2126, 1K Ω 2126, 2.2K Ω 2126
 - iii) Capacitors (10 μ F, 100 μ F)
 - iv) Diodes (1 N914)

Contd...2/-

- v) Zenor diode (1N4614)
- vi) Resistors (1 k Ω , 22 k Ω)
- vii) Capacitor (1 μ F)
- viii) CRO (0-20MHz)
- ix) Function Generator (0-1 MHz)
- x) Connecting wires (Single -strand)
- xi) Multimeter
- xii) Dual DC Regulated Power supply (0-30V)
- xiii) Bread Board
- xiv) TRIAC - BTB 12 600C
- xv) DIAC DB3
- xvi) Single phase Variac (0-270V)
- xvii) Capacitor (0.1 μ F)
- xviii) Light bulb
- xix) 250 k Ω linear pot
- xx) Resistor 3.3k Ω
- xxi) Photo transistor IR 3 mm 935 NM
- xxii) Resistor (220 Ω)
- xxiii) Required ICs
- xxiv) IC tester
- xxv) DSO with connecting probes
- xxvi) Printer with accessories
- xxvii) A4 sheets
- xxviii) Soldering iron with stand and accessories

36/227.**FITTER (NSQF LEVEL -5)**

- i) Mild steel rod \varnothing 30 mm x 130 mm : 1 No.
- ii) Mild steel flat: 50 mm x 50 mm x 7 mm : 1 No.
- iii) Cutting tools : As required
- iv) Cotton waste
- v) Centre lathe etc. : As required

67/221.**TURNER (NSQF LEVEL -5)**

- i) Mild steel rod: diameter 45 mm x 150 mm : 1 No.

96/242.**COMPUTER OPERATOR & PROGRAMMING ASSISTANT (NSQF LEVEL -4)**

- i) PCs with related software and accessories like DVD, Printer, Cables etc. along with internet connection

Note: All Tools, Instruments & Equipment as per standards list prescribed in the syllabus of the trade must be kept ready and in good condition.