

**BILL OF MATERIAL 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 – I (NSQF)**

ENGINEERING & NON-ENGG. TRADES

- 29/212. WELDER (NSQF LEVEL -4)**
- i) M.S. pipe : ϕ 50mm x 75 x 3mm wall thickness : 2 Nos.
 - ii) M.S flat: 50mm x 150mm x 8mm : 2 Nos.
 - iii) Cutting tools
 - iv) Measuring instruments
 - v) Cotton waste
- 31/217. DRAUGHTSMAN CIVIL (NSQF LEVEL -5)**
- Drawing sheet (A1)
- 33/231. ELECTRICIAN (NSQF LEVEL -5)**
- i) Fire extinguisher
 - ii) SWG
 - iii) Micro-meter
 - iv) Voltmeter (MI type, 0-300V)
 - v) Ammeter (MI type, 0-10A)
 - vi) Fixed resistors and variable resistors
 - vii) Power supply
 - viii) Wheat stone bridge kit with patch codes or Resistor: 10K, 5K 11K, Unknown resistor = 100 Ω , Pot = 1K
 - ix) Digital multimeter
 - x) Crimping tool
 - xi) Cables
 - xii) 3 phase resistive load
 - xiii) Single phase watt meters
 - xiv) Variac (single phase, 0-270V)
 - xv) Multimeter
 - xvi) Connecting wires
 - xvii) Required tools and accessories

34/219. ELECTRONICS MECHANIC (NSQF LEVEL -5)

- i) Secondary cell
- ii) Single phase Variac (0-270V)
- iii) FET
- iv) Diode
- v) Transistor
- vi) Resistances
- vii) Multimeter
- viii) LCR meter
- ix) Capacitor
- x) Inductor
- xi) CRO (0-20MHz)
- xii) Function Generator (0-1MHz)
- xiii) Connecting wires (Single-Strand)
- xiv) Bread board
- xv) A step-down transformer (6-0-6)
- xvi) Junction diode (IN4001)
- xvii) Load resistors (470 Ω)
- xviii) Capacitor (470 μ F)
- xix) Connecting wires
- xx) Soldering iron with stand and accessories.

35/233. ELECTROPLATOR (NSQF LEVEL -5)

- i) Fire extinguisher
- ii) SWG
- iii) Micro-meter
- iv) Voltmeter (MI type, 0-300V)
- v) Ammeter (MI type, 0-10A)
- vi) Fixed resistors and variable resistors
- vii) Power supply
- viii) Wheat stone bridge kit with patch codes or Resistor: 10K, 5K 11K, Unknown resistor = 100 Ω , Pot = 1K
- ix) Digital multimeter
- x) Crimping tool
- xi) Cables
- xii) 3 phase resistive load
- xiii) Single phase watt meters
- xiv) Variac (single phase, 0-270V)
- xv) Multimeter
- xvi) Connecting wires
- xvii) Required tools and accessories

36/227. FITTER (NSQF LEVEL -5)

- i) Mild steel flat: 50mm x 50mm x 10mm : 1 No.
- ii) Mild steel flat: 55mm x 55mm x 12mm : 1 No.
- iii) Cutting tools as per requirement
- iv) Measuring instruments
- v) Cotton waste
- vi) Drill machine etc. (as per requirement) etc.

Contd...3/-

41/234. LIFT MECHANIC/LIFT & ESCALATOR MECHANIC (NSQF LEVEL -5)

- i) Fire extinguisher
- ii) SWG
- iii) Micro-meter
- iv) Voltmeter (MI type, 0-300V)
- v) Ammeter (MI type, 0-10A)
- vi) Fixed resistors and variable resistors
- vii) Power supply
- viii) Wheat stone bridge kit with patch codes or Resistor: 10K, 5K 11K, Unknown resistor = 100 Ω , Pot = 1K
- ix) Digital multimeter
- x) Crimping tool
- xi) Cables
- xii) 3 phase resistive load
- xiii) Single phase watt meters
- xiv) Variac (single phase, 0-270V)
- xv) Multimeter
- xvi) Connecting wires
- xvii) Required tools and accessories

49/216. MECHANIC CONSUMER ELECTRONICS/MECHANIC CONSUMER ELECTRONICS (NSQF LEVEL -5)

- i) Secondary cell
- ii) Single phase Variac (0-270V)
- iii) FET
- iv) Diode
- v) Transistor
- vi) Resistances
- vii) Multimeter
- viii) LCR meter
- ix) Capacitor
- x) Inductor
- xi) CRO (0-20MHz)
- xii) Function Generator (0-1MHz)
- xiii) Connecting wires (Single-Strand)
- xiv) Bread board
- xv) A step-down transformer (6-0-6)
- xvi) Junction diode (IN4001)
- xvii) Load resistors (470 Ω)
- xviii) Capacitor (470 μ F)
- xix) Connecting wires
- xx) Soldering iron with stand and accessories.

67/221. TURNER (NSQF LEVEL -5)

- i) Mild steel rod: diameter 40mm x 110mm : 1 No.
- ii) Cutting tools : As per requirement
- iii) Measuring instruments
- iv) Cotton waste
- v) Centre lathe machine etc. : As per requirement

Contd...4/-

70/232

WIREMAN (NSQF LEVEL -5)

- i) Fire extinguisher
- ii) SWG
- iii) Micro-meter
- iv) Voltmeter (MI type, 0-300V)
- v) Ammeter (MI type, 0-10A)
- vi) Fixed resistors and variable resistors
- vii) Power supply
- viii) Wheat stone bridge kit with patch codes or Resistor: 10K, 5K 11K, Unknown resistor = 100 Ω , Pot = 1K
- ix) Digital multimeter
- x) Crimping tool
- xi) Cables
- xii) 3 phase resistive load
- xiii) Single phase watt meters
- xiv) Variac (single phase, 0-270V)
- xv) Multimeter
- xvi) Connecting wires
- xvii) Required tools and accessories

265.

TECHNICIAN POWER ELECTRONICS SYSTEM (NSQF LEVEL -5)

- i) Secondary cell
- ii) Single phase Variac (0-270V)
- iii) FET
- iv) Diode
- v) Transistor
- vi) Resistances
- vii) Multimeter
- viii) LCR meter
- ix) Capacitor
- x) Inductor
- xi) CRO (0-20MHz)
- xii) Function Generator (0-1MHz)
- xiii) Connecting wires (Single-Strand)
- xiv) Bread board
- xv) A step-down transformer (6-0-6)
- xvi) Junction diode (IN4001)
- xvii) Load resistors (470 Ω)
- xviii) Capacitor (470 μ F)
- xix) Connecting wires
- xx) Soldering iron with stand and accessories.

268.

WELDER (GAW & GTAW) (NSQF LEVEL -4)

- i) M.S. pipe: ϕ 50mm x 75 x 3mm wall thickness : 2 Nos.
- ii) M.S flat: 50mm x 150mm x 8mm : 2 Nos.
- iii) Cutting tools
- iv) Measuring instruments
- v) Cotton waste

Contd...5/-

- 269. WELDER PIPE (NSQF LEVEL -4)**
i) M.S. pipe: ϕ 50mm x 75 x 3mm wall thickness : 2 Nos.
ii) M.S flat: 50mm x 150mm x 8mm : 2 Nos.
iii) Cutting tools
iv) Measuring instruments
v) Cotton waste
- 270. WELDER STRUCTURAL (NSQF LEVEL -4)**
i) M.S. pipe: ϕ 50mm x 75 x 3mm wall thickness : 2 Nos.
ii) M.S flat: 50mm x 150mm x 8mm : 2 Nos.
iii) Cutting tools
iv) Measuring instruments
v) Cotton waste
- 271. WELDER (WELDING & INSPECTION) (NSQF LEVEL -4)**
i) M.S. pipe: ϕ 50mm x 75 x 3mm wall thickness : 2 Nos.
ii) M.S flat: 50mm x 150mm x 8mm : 2 Nos.
iii) Cutting tools
iv) Measuring instruments
v) Cotton waste
- 272. WELDER (FABRICATION & FITTING (NSQF LEVEL -4)**
i) M.S. pipe: ϕ 50mm x 75 x 3mm wall thickness : 2 Nos.
ii) M.S flat: 50mm x 150mm x 8mm : 2 Nos.
iii) Cutting tools
iv) Measuring instruments
v) Cotton waste
- 96/242. COMPUTER OPERATOR & PROGRAMMING ASSISTANT
(NSQF LEVEL -4)**
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.
