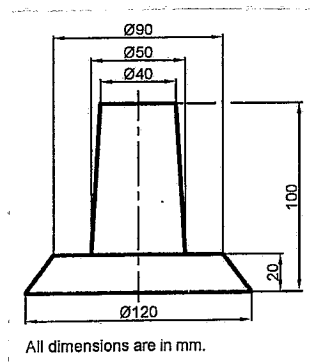


**BILL OF MATERIAL REQUIRED FOR EACH TRAINEE FOR THE FOLLOWING  
TRADES FOR THE ALL INDIA TRADE TEST OF CRAFTSMAN (SEMESTER PATTERN)  
UNDER CRAFTSMAN TRAINING SCHEME TO HELD IN THE MONTH  
OF JULY – 2018  
SEMESTER – I (ENGG. & NON ENGG.)**

1. **BUILDING MAINTENANCE**
  - i) Bricks : As required
  - ii) Cement : As required
  - iii) Sand : As required
  - iv) Trowel : As required
2. **EXCAVATOR OPERATOR\***
3. **MECHANIC REPAIR & MAINTENANCE OF TWO WHEELERS**
  - i) One two wheeler in working condition
  - ii) One bike with front disc brakes
  - iii) Raw material used in servicing of disc brake assembly of a two wheeler
4. **MECHANIC AUTO ELECTRICAL AND ELECTRONICS**  
Wiper motor, Multi meter, Hand tools kit, Gloves, Cleaning cloths
5. **SANITARY HARDWARE FITTER**
  - i) PVC Pipe : As required
  - ii) Standard Cistern with all parts
  - iii) Waste Pipe : As required
- 6/210. **ARCHITECTURAL ASSISTANT\***
- 7/206. **CARPENTER**  
Wooden Block- 160x60x30 mm : 2 Nos.
8. **DOMESTIC PAINTER \***
- 9/214. **FOUNDRYMAN/FOUNDRYMAN TECHNICIAN**  
Moulding, Sand, Parting Sand, Facing sand, Baking sand, Single piece, Solid Pattern as per drawing, Bottom board, Moulding boxes etc.



10. **GOLD SMITH\***
11. **INDUSTRIAL PAINTER**  
 i) Oxy-acetylene welding machines with all accessories  
 ii) Computer with MS PowerPoint software  
 iii) Thinner, Primer, Wood, Polish
- 12/208. **INTERIOR DECORATION & DESIGN \***
13. **MARINE ENGINE FITTER**  
 i) Mild Steel Flat 70 mm x 90 mm x 22 mm : 1 No.  
 ii) Set of complete tools required for the dismantling/ assembling of the engine  
 iii) A Diesel engine, preferably multi cylinder, in working condition  
 iv) Diesel, Kerosene oil cleaning cloth etc as required
- 14/211. **MASON (BUILDING CONSTRUCTOR)**  
 Bricks, Cement, Sand, Required tools (Trowel etc), Door Frame: 1 Pcs, Window Frame: 1 Pcs.
15. **MECHANIC REPAIR & MAINTENANCE OF HEAVY VEHICLES**  
 Any vehicle's engine fitted with Synchromesh gear box.
16. **MECHANIC REPAIR & MAINTENANCE OF LIGHT VEHICLES**  
 i) Petrol car in running condition  
 ii) Two post lift  
 iii) Hand tools kit  
 iv) Fender covers  
 v) Gloves  
 vi) Cleaning cloths  
 vii) Complete wheel with tyre & tube  
 viii) Air compressor
- 17/201. **MECHANIC (DIESEL)**  
 i) MS square - 50mm x 50mm x 7mm : 1 No.  
 ii) Bench vice, try square, steel rule prick punch, Surface plate, Hacksaw, Ball peen hammer, Surface gauge  
 iii) Outside micrometer, Dial bore gauge  
 iv) Engine's assembly or dismantled parts of engine
- 18/202. **MECHANIC (TRACTOR)**  
 i) MS square 50mm x 50mm x 7mm : 1 No.  
 ii) Bench vice, try square, steel rule prick punch, Surface plate, Hacksaw, Ball peen hammer, Surface gauge  
 iii) Outside micrometer, Dial bore gauge  
 iv) Engine's assembly or dismantled parts of engine

- 19. MECHANIC COMMUNICATION EQUIPMENT MAINTENANCE**  
 i) Digital trainer kit  
 ii) B/W or color TV trainer kit  
 iii) Different cables, connectors, crimping tools etc.  
 iv) DC motor, panel with starter, MCB/fuse connecting wire etc.  
 v) Required Accessories, instruments, tools etc.  
 vi) Required Ammeter, Voltmeter, Tester, Multimeter etc.
- 20. MECHANIC LENS/PRISM GRINDING**  
 i) Glass sheet 100mm x 100mm x 6mm : 3 Nos.  
 ii) AgNO<sub>3</sub> & Acid : As required
- 21. PHYSIOTHERAPY TECHNICIAN**  
 i) SWD  
 ii) HOT pack  
 iii) TENS  
 iv) Power for friction massage  
 v) Petrisage  
 vi) Long bones
- 22. PLASTIC PROCESSING OPERATOR**  
 i) Wax, mould, resin, brush, roller.  
 ii) Oil, cleaning brush, screw driver, cleaning cloth, grease.  
 iii) Universal testing machine, PE, PP, HDPE, SAN, epoxy, vinyl ester, polyurethane, polyamide
- 23/209. PLUMBER**  
 i) CI socketed pipe 75mm : 2 Nos.  
 ii) M.S holder clamps  
 iii) Cement, stone grit sand spun yarn, white lead etc.
- 24/205. PUMP OPERATOR-CUM-MECHANIC**  
 i) MS square - 50mm x 50mm x 7mm : 1 No.  
 ii) Bench vice, try square, steel rule prick punch, Surface plate, Hacksaw, Ball peen hammer, Surface gauge  
 iii) Outside micrometer, Dial bore gauge  
 iv) Engine's assembly or dismantled parts of engine
- .25. RUBBER TECHNICIAN \***
- 26/213. SHEET METAL WORKER**  
 i) GI sheet 25 SWG: 600mm x 200mm : 1 No.
- 27. STONE MINING MACHINE OPERATOR \***
- 28. STONE PROCESSING MACHINE OPERATOR \***

- 29/212. WELDER**  
i) MS plate 150mm x 50mm x 10mm : 2 Nos.
- 203. MECHANIC AUTO ELECTRICIAN AND ELECTRONICS**  
i) MS square - 50mm x 50mm x 7mm : 1 No.  
ii) Bench vice, try square, steel rule prick punch, Surface plate, Hacksaw, Ball peen hammer, Surface gauge  
iii) Outside micrometer, Dial bore gauge  
iv) Engine's assembly or dismantled parts of engine
- 204. MECHANIC MOTOR CYCLE**  
i) MS square - 50mm x 50mm x 7mm : 1 No.  
ii) Bench vice, try square, steel rule prick punch, Surface plate, Hacksaw, Ball peen hammer, Surface gauge  
iii) Outside micrometer, Dial bore gauge  
iv) Engine's assembly or dismantled parts of engine
- 207. SURVEYOR**  
i) Chair : 1 No.  
ii) Wooden peg : 10 Nos.  
iii) Ranging rods : 5 Nos.  
iv) Compass : 1 No.  
v) Taper : 1 No.  
vi) Offset rods : As required
- 241. ARCHITECTURAL DRAUGHTSMANSHIP (2014)\***  
i) Computer with AUTO CAD & Printer : 1 No.
- 264. COMPUTER HARDWARE & NETWORK MAINTENANCE**  
i) NAND gate  
ii) Board  
iii) Multimeter  
iv) LED  
v) Transistors  
vi) Diodes  
vii) PC  
viii) Operating system CD
- 266/267. MECHANIC AUTO BODY REPAIR/ MECHANIC AUTO BODY PAINTING**  
i) MS flat 100mm x 100mm x 10mm
- 268. WELDER (GMAW & GTAW)**  
i) MS plate size 150mm x 50mm x 10mm (50 ISF x 10-150) : 2 Nos.
- 269. WELDER (PIPE)**  
i) MS plate size 150mm x 50mm x 10mm (50 ISF x 10-150) : 2 Nos.

270. **WELDER (STRUCTURAL)**  
i) MS plate size 150mm x 50mm x 10mm (50 ISF x 10-150) : 2 Nos.
271. **WELDER (WELDING & INSPECTION)**  
i) MS plate size 150mm x 50mm x 10mm (50 ISF x 10-150) : 2 Nos.
272. **WELDER (FABRICATION & FITTING)**  
i) MS plate size 150mm x 50mm x 10mm (50 ISF x 10-150) : 2 Nos.
30. **ATTENDANT OPERATOR (CHEMICAL PLANT)**  
i) Digital multimeter : 1 No.  
ii) Bread board : 1 No.  
iii) Resistors : As required  
iv) Power supply : 1 No.  
v) Double walled calorimeter : 1 No.  
vi) Heating coil with stirrer : 1 No.  
vii) Thermometer : 1 No.  
viii) Ammeter : 1 No.  
ix) Voltmeter : 1 No.  
x) Stop watch : 1 No.  
xi) Rheostat : 1 No.  
xii) Battery : 1 No.
- 31/217. **DRAUGHTSMAN (CIVIL)**  
i) Drawing instruments : As required  
ii) Drawing sheets : As required  
iii) Drawing board : 1 No.  
iv) Mini drafter : 1 No.  
v) Pencil HB, H, 2H : 1 No. each  
vi) Eraser, Emery paper : 1 No. each
- 32/224. **DRAUGHTSMAN (MECHANICAL)**  
i) Drawing instruments : As required  
ii) Drawing sheets : As required  
iii) Drawing board : 1 No.  
iv) Mini drafter : 1 No.  
v) Pencil HB, H, 2H : 1 No. each  
vi) Eraser, Emery paper : 1 No. each
- 33/231. **ELECTRICIAN**  
i) Resistor – low value, high wattage : 1 No.  
ii) Inductor (choke) low value : 1 No.  
iii) Voltmeter 0-300V AC, Moving iron type : 1 No.  
iv) Ammeter 0-1 A, moving iron type : 1 No.  
v) Wattmeter, dynameter type – 1000W, 5A, 300V : 1 No.  
vi) Series testing board : 1 No.  
vii) ON/OFF switch : 1 No.

	viii) Various tools & wires etc.	: As required
	ix) Wheatstone bridge set-up	: 1 No.
	x) Resistor of unknown value	: 1 No.
	xi) Multi-meter	: 1 No.
	xii) Signal tracer	: 1 No.
	xiii) Various tools and wires etc.	: As required
	xiv) Set of components –resistors, capacitors, diodes & transistors of different value	: 4 Nos.
	xv) Multimeter	: 1 No.
<b>34/219.</b>	<b>ELECTRONICS MECHANIC</b>	
	i) Experimental board	: 1 No.
	ii) Transistor or IC	: As required
	iii) Fire extinguisher-small	: 1 No.
	iv) Power supply	
	v) Tungsten bulb	: 1 No.
	vi) Mill ammeter	: 1 No.
	vii) Analog and Digital multimeter	: 1 No.
	viii) LED	: As required
	ix) Cable and connector with required tools	
	x) Switches	: As required
	xi) MCB etc.	: As required
	xii) Connecting wires Resistors, Diodes, Transistors	: As required
<b>35/233.</b>	<b>ELECTROPLATER</b>	
	i) Resistor – low value, high wattage	: 1 No.
	ii) Inductor (choke) low value	: 1 No.
	iii) Voltmeter 0-300V AC, Moving iron type	: 1 No.
	iv) Ammeter 0-1 A, moving iron type	: 1 No.
	v) Wattmeter, dynameter type – 1000W, 5A, 300V	: 1 No.
	vi) Series testing board	: 1 No.
	vii) ON/OFF switch	: 1 No.
	viii) Various tools & wires etc.	: As required
	ix) Wheatstone bridge set-up	: 1 No.
	x) Resistor of unknown value	: 1 No.
	xi) Multi-meter	: 1 No.
	xii) Signal tracer	: 1 No.
	xiii) Set of components –resistors, capacitors, diodes & transistors of different value	: 4 Nos. each
	xiv) Multimeter	: 1 No.
<b>36/227.</b>	<b>FITTER</b>	
	MS flat 75mm x 60mm x 10mm	: 1 No.
<b>37.</b>	<b>INSTRUMENT MECHANIC</b>	
	i) Micrometer	: 1 No.
	ii) 7 strand copper cable 6" (e.g.7/18 type)	: 1 No.
	iii) Cutter/stripper	: 1 No.
	iv) Fixed value resistances	: 3 Nos.
	v) DC voltmeter 0-30 V DC	: 3 Nos.

- vi) DC Ammeter 0-5 amp. : 1 No.
- vii) DC power supply (Variable type) : 1 No.
- viii) Auto transformer : 1 No.
- ix) Instrument transformer : 1 No.
- x) AC voltmeter or multimeter : 1 No.
- xi) AC ammeter 0-1 amp. : 1 No.
- xii) Single phase, capacitor start induction motor : 1 No.
- xiii) Voltmeter 0-30 V AC : 1 No.
- xiv) Ammeter 0-5 A AC : 1 No.
- xv) Multimeter Tools & wires : As required

**38. INSTRUMENT MECHANIC (CHEMICAL PLANT)**

- i) Seattle's apparatus, two steel wires, a screw gauge, meter scale, deal load (about 2 kg.), hanger with slotted ( about 10 pieces, each of 0.5 kg mass)
- ii) Slide wire Wheatstone bridge, DC power supply, digital voltmeter (DVM), switch with resistor, key, connecting wires.
- iii) Battery, copper sulphate solution, Rheostat, key, ammeter, cathode and anode

**39/220.****INFORMATION TECHNOLOGY & ELECTRONIC SYSTEM  
MAINTENANCE / INFORMATION & COMMUNICATION TECHNOLOGY  
SYSTEM MAINTENANCE**

- i) Capacitor using RLC meter
- ii) Diode
- iii) Digital IC (NAND and NOR gate) : 2 Nos.
- iv) Cable

**40.****LABORATORY ASSISTANT (CHEMICAL PLANT) (2015)**

- i) Wheatstone's Bridge
- ii) Chemicals: Mohr's salt, Oxalic acid, KMNO<sub>4</sub>, Calciumsulphate etc.
- iii) Apparatus: Funnels, pipette, burette, conical flasks, stirrer, weighing balance etc.

**41/234.****LIFT MECHANIC/LIFT ESCALATOR MECHANIC**

- i) Resistor – low value, high wattage : 1 No.
- ii) Inductor (choke) low value : 1 No.
- iii) Voltmeter 0-300V AC, Moving iron type : 1 No.
- iv) Ammeter 0-1 A, moving iron type : 1 No.
- v) Wattmeter, dynameter type – 1000W, 5A, 300V : 1 No.
- vi) Series testing board : 1 No.
- vii) ON/OFF switch : 1 No.
- viii) Various tools & wires etc. : As required
- ix) Wheatstone bridge set-up : 1 No.
- x) Resistor of unknown value : 1 No.
- xi) Multi-meter : 1 No.
- xii) Signal tracer : 1 No.
- xiii) Set of components –resistors, capacitors, diodes & transistors of different value : 4 Nos. each
- xiv) Multimeter : 1 No.

- 42/222. MACHINIST**  
i) CI Block 40mm x 30mm x 30mm : 1 No.
- 43/223. MACHINIST (GRINDER)**  
i) MS plate 50mm x 50mm x 10mm : 1 No.
- 44. MAINTENANCE MECHANIC (CHEMICAL PLANT)**  
i) Metal piece: 45mm x 45mm x 10mm  
ii) Ohm's law setup  
iii) kirchoff's low setup  
iv) Simple pendulum apparatus
- 45. MARINE FITTER**  
i) MS Rod  $\phi$  35mm x 70mm : 1 No.  
ii) Resistance 10K $\Omega$ , 100 $\Omega$ , 1K $\Omega$ , 10 $\Omega$ , 8 $\Omega$ , 4K $\Omega$  : One each
- 46. MECHANIC MINING MACHINERY \***
- 47/216. MECHANIC AGRICULTURAL MACHINERY**  
i) Tools/Instruments  
ii) Trainee tool kit  
iii) Measuring tape  
iv) Plumb bob  
v) Vehicle with battery installed
- 48. MECHANIC COMPUTER HARDWARE**  
i) Bulb (As available)  
ii) Relay  
iii) Resistances (Assorted)  
iv) Multimeter  
v) Diode  
vi) Capacitor
- 49/273. MECHANIC CONSUMER ELECTRONICS**  
i) Experimental board  
ii) Transistor or IC  
iii) Fire extinguisher-small  
iv) Power supply  
v) Tungsten bulb  
vi) Mill ammeter  
vii) Analog and Digital multimeter  
viii) LED  
ix) Cable and connector with required tools  
x) Switches  
xi) MCB etc.  
xii) Connecting wires required resistor, diode, transistor etc.



- 50/225 . MECHANIC-CUM-OPERATOR ELECTRONIC COMMUNICATION SYSTEM**  
 i) Multimeter, Resistors  
 ii) CRO, Connecting probes  
 iii) Transformer, Voltmeter, Ammeter (MI lyre)  
 iv) Power supply, Connecting wires
- 51. MECHANIC INDUSTRIAL ELECTRONICS**  
 i) SCR, DIAC, UJT, MOS FET, IGBT, different logic gates, TTL and CMOS ICs.  
 ii) Relay, Multimeter  
 iii) Assorted resistors, capacitors, transistors, PCB, CRO with probes, Function generators regulated power supply connecting wires
- 52/225. MECHANIC MACHINE TOOL MAINTENANCE**  
 i) Male & Female parts: MS 80mm x 55mm x 10mm : 1 No.  
 ii) MS 40mm x 50mm x 10mm : 1 No.  
 iii) MS 15mm x 17mm x 70mm : 1 No.
- 53. MECHANIC MECHATRONICS**  
 i) Marking table  
 ii) Scriber  
 iii) Divides  
 iv) Surface gauges  
 v) Angular plate  
 vi) Marking block  
 vii) V block & Clamp  
 viii) Tri-square  
 ix) Files  
 x) U channel  
 xi) MS length 90mm x width 75mm x height 35mm
- 54. MECHANIC MEDICAL ELECTRONICS**  
 i) Power board containing socket and switches  
 ii) Tester  
 iii) Supply  
 iv) Relay  
 v) Multimeter and connecting wire  
 vi) Tool kit  
 vii) Ammeter (0-5A) MI  
 viii) Voltmeter (0-150V) MI and (0-300V) MI  
 ix) Transformer (230V/115V), 1 kVA  
 x) Auto transformer  
 xi) Rheostat 100Ω  
 xii) Three phase induction motor kit

- xiii) DOL starter
- xiv) Connecting wires
- xv) Brushless DC motor
- xvi) Three resistances of different value
- xvii) Breadboard and connecting wires
- xviii) 10V supply
- xix) Transformer 230V/0-9V
- xx) Diode
- xxi) Decade resistance box
- xxii) Bread board and connecting wires
- xxiii) Dual trace CRO
- xxiv) TRIAC kit
- xxv) Connecting leads.

**55/215. MECHANIC MOTOR VEHICLE**

- i) Tools/Instruments
- ii) Trainee tool kit
- iii) Measuring tape
- iv) Plumb bob
- v) Vehicle with battery installed

**56/218. MECHANIC REFRIGERATION AND AIR-CONDITIONING**

- i) Test refrigeration system : As required
- ii) Gas for charging : As required

**57. MECHANIC RADIO AND TELEVISION**

- i) Fixed capacitors of any suitable value
- ii) Variable capacitor : As required
- iii) Resistance, Capacitance, Inductance
- iv) Multimeter
- v) 1 Phase supply
- vi) Voltage sources of known values
- vii) Resistors
- viii) Power supply
- ix) Ammeter (0-20mA)
- x) Voltmeter (0-20V)
- xi) Connecting leads
- xii) Breadboard
- xiii) Diode : 2 Nos.
- xiv) CRO
- xv) Transformer

**58/226. OPERATOR ADVANCE MACHINE TOOL**

- i) Mild steel 200mm x 100mm x 75mm : 1 No.

- 59. PAINTER (GENERAL)**
- i) Metal sheet : As required
  - ii) Mallet : 1 No.
  - iii) Rule steel : 1 No.
  - iv) Snips : As required
  - v) Wood pieces : As required (900x70-1 piece, 300x70-2pieces )
  - vi) Saw
  - vii) Chisel set : As required
  - viii) Carpenter's hammer : 1 No.
  - ix) Drawing sheet : 1 No.
  - x) Black ink : As required
  - xi) Brush ( writing, flat & stenciling) : 1 Each
- 60. RADIOLOGY TECHNICIAN**
- i) MAS meter, interlock system
  - ii) MRI and USG machine
  - iii) X-ray machine
  - iv) Chemical, solution, tools, and equipment related to lab
- 61/235. SPINNING TECHNICIAN \***
- M.S flat 100mm x 50mm x 10mm : 2 Nos.
- 62. SURVEYOR**
- i) Compass : 1 No.
  - ii) Tape : 1 No.
  - iii) Chain : 1 No.
  - iv) Wooden page : 1 No.
  - v) Ranging rods : 5 Nos.
  - vi) Offset rods : As required
- 63/236. TEXTILE MECHATRONICS**
- i) Test lamp 60W 240V with leads : 1 No.
  - ii) Insulated cutting plier 150mm : 1 No.
  - iii) Screwdriver 200 mm : 1 No.
  - iv) Connector screwdriver 75mm : 1 No.
  - v) MV lamp-holder : 1 No.  
(Goliath screw type)
  - vi) MV lamp choke 250 watts/230V : 1 No.
  - vii) MV lamp (HP) 250 Watts/230V : 1 No.
  - viii) Capacitor 4 MFD/380V : 1 No.
  - ix) Connecting leads : As required
- 64/237. TEXTILE WET PROCESSING TECHNICIAN**
- i) Metal block size 90mm x 72mm thick 10mm
  - ii) Drill
- 65/228. TOOL & DIE MAKER (DIES & MOULDS)**
- i) MS Flat sheet: 50mm x 50mm x 8mm : 2 Nos.
  - ii) Bench vice, Try square, Steel rule pick punch, Surface plate, Hacksaw, Ball peen hammer, Surface gauge, Measuring instruments, Cotton waste, Files

- 66/229. TOOL & DIE MAKER (PRESS TOOLS, JIGS & FIXTURES)**  
 i) MS Flat sheet: 50mm x 50mm x 8mm (one for each trainee) : 2 Nos.  
 ii) Bench vice, Try square, Steel rule pick punch, Surface plate, Hacksaw,  
 Ball peen hammer, Surface gauge, Measuring instruments, Cotton waste, Files
- 67/221. TURNER**  
 i) Mild steel bar (F2310-0) 55Ø x 155mm length : 1 No.
- 68. VESSEL NAVIGATOR**  
 Common consumable/raw material used in basic net making practice
- 69/238. WEAVING TECHNICIAN \***
- 70/232. WIREMAN**  
 i) Resistor – low value, high wattage : 1 No.  
 ii) Inductor (choke) low value : 1 No.  
 iii) Voltmeter 0-300V AC, Moving iron type : 1 No.  
 iv) Ammeter 0-1 A, moving iron type : 1 No.  
 v) Wattmeter, dynameter type – 1000W, 5A, 300V : 1 No.  
 vi) Series testing board : 1 No.  
 vii) ON/OFF switch : 1 No.  
 viii) Various tools & wires etc. : As required  
 ix) Wheatstone bridge set-up : 1 No.  
 x) Resistor of unknown value : 1 No.  
 xi) Multi-meter : 1 No.  
 xii) Signal tracer : 1 No.  
 xiii) Set of components –resistors, capacitors, diodes & transistors  
 of different value : 4 Nos. each  
 xv) Multimeter : 1 No.
- 230. METAL CUTTING ATTENDANT (FOR VISUALLY IMPAIRED PERSON) \***
- 265. TECHNICIAN POWER ELECTRONICS SYSTEMS**  
 i) Experimental board  
 ii) Transistor or IC  
 iii) Fire extinguisher-small  
 iv) Power supply  
 v) Tungsten bulb  
 vi) Mill ammeter  
 vii) Analog and Digital multimeter  
 viii) LED  
 ix) Cable and connector with required tools  
 x) Switches  
 xi) MCB etc.  
 xii) Connecting wires required resistor, diode, transistor etc.
- 274. REFRACTORY TECHNICIAN \***

- 275. MECHANIC AIR-CONDITIONING PLANT**  
 i) Refrigerator : 1 No.  
 ii) Door gasket : As required  
 iii) ¼ h.p. split phase induction motor : 1 No.
- 284. CIVIL ENGINEERING ASSISTANT**  
 i) Dumpy level : 1 No.  
 ii) Levelling staff : 1 No.  
 iii) Arrows : 10  
 iv) Trowel  
 v) Cement : 5 kg  
 vi) Sand : 30 kg
- 277. INFORMATION TECHNOLOGY**  
 i) Linux software  
 ii) PC, Key board, mouse  
 iii) CAN cable, Rj. 45 connector, punching/crimping t tool  
 iv) Network simulator  
 v) Scroo driver  
 Other all required tool
- 71. CABIN/ROOM ATTENDANT**  
 i) Check in reports blank form  
 ii) Soda acid fire extinguisher  
 iii) Train beddings, towels and amenities for : 1 each
- 72. COMPUTER AIDED EMBROIDERY & NEEDLE WORK**  
 i) Computer embroidery machine : 01 No.  
 ii) Glazed Cotton/silk/ satin fabric : 1/2 Metre  
 iii) Tracing Paper : 2 sheets  
 iv) Embroidery threads : 03 (in different colours)  
 v) Embroidery kit : 01 No.
- 73. CORPORATE HOUSE KEEPING**  
 i) Brass items, Brass, polish  
 ii) Dirty carpets with stains etc.  
 iii) Trolley & Bathroom necessities.
- 74. COUNSELING SKILLS \***
- 75. CRECHE MANAGEMENT \***
- 76. DRIVE CUM MECHANIC**  
 i) A light motor vehicle in running condition used driving test  
 ii) Marking sand for marking some path on ground  
 iii) All the general tools and equipments required for running time maintenance of an automobile  
 iv) All the raw materials which are necessary for conducting the driving test

77. **DATA ENTRY OPERATOR**  
i) Windows  
ii) Computer system  
iii) MS office/Open office  
iv) Anti virus  
v) Adobe pagemaker
78. **DOMESTIC HOUSE KEEPING**  
i) Polish for silver articles
79. **EVENT MANAGEMENT ASSISTANT \***
80. **FIREMEN\***
81. **FRONT OFFICE ASSISTANT**  
PCS with related software and accessories like DVD, Printer, Cables etc. and internet connection
82. **HOSPITAL WASTE MANAGEMENT**  
i) Autoclave  
ii) Pharmaceutical waste  
iii) Cement, Sand, Drums  
iv) Needle destroyer, Waste needles  
v) Mercury spill kit  
vi) Vegetable waste  
vii) Earthen pot, Soil, Wooden plank
83. **INSTITUTION HOUSE KEEPING**  
Paper, Pen, Computer, printer, Seasonal flower, Ferns and flower arrangement materials laundry detergent, cleaning material and equipment as required in reasonable quantities
84. **INSURANCE AGENT**  
Paper sheet, Pen, Computer with Power point software, printer
85. **LIBRARY & INFORMATION SCIENCE**  
Paper, Pen, Computer with library automation software
86. **MEDICAL TRANSCRIPTION**  
i) Computer, Transcription keyboard, Headphones, Audio files, Paper records  
ii) Radiological lab findings
87. **NETWORK TECHNICIAN**  
i) Dot matrix printer, PC.  
ii) PC, Windows XP CD  
iii) PC keyboard  
iv) PC with DOS installed in it.  
v) PC, network simulator.  
vi) LAN cable, RJ-45 connector, punching/ crimping tool.

- 88. OLD AGE CARE**  
 i) Computer lab  
 ii) Yoga mat  
 iii) Markers (different colours)  
 iv) Multigrain atta, green vegetables, vegetables for salad, curd/cheese, fruits with low glycemic index, brown rice etc.  
 v) First aid box & constituents  
 vi) Charts
- 89. PARA LEGAL ASSISTANT/MUNSHI\***
- 90. PREPARATORY SCHOOL MANAGEMENT \***
- 91 SPA THERAPY**  
 i) Facial kit : 1 No.  
 ii) Body wrap material
- 92. TOURIST GUIDE \***
- 93/251. BAKER & CONFECTIONER**  
 i) Refined flour : As required  
 ii) Yeast : As required  
 iii) Puff margarine/Fat/Shortening : As required  
 iv) Water : As required  
 v) Sugar : As required  
 vi) Salt : As required  
 vii) Milk : As required  
 viii) Refined oil : As required
- 94. CANE WILLOW & BAMBOO WORKER**  
 Bamboo, Fabric, Lubricant, Oil, Chemicals : As required
- 95. CATERING & HOSPITALITY ASSISTANT**  
 i) Soap solution : As required  
 ii) Soft brush : As required  
 iii) Wall cleaner : As required  
 iv) Rags & Dusters : As required  
 v) Paper & Pen : As required  
 vi) Egg : As required  
 vii) Oil : As required  
 viii) Cooking range & utensils : As required
- 96/242. COMPUTER OPERATOR AND PROGRAMMING ASSISTANT**  
 i) PC  
 ii) MS-Office  
 iii) Other S/W & H/W tools as per standard tool list

**97/253. CRAFTSMAN FOOD PRODUCTION (GENERAL) FOOD PRODUCTION (GENERAL)**

- i) Equipments (solar cooker, microwave, Gas stove, mixer grinder, etc.
- ii) Utensils for cooking and serving
- iii) Basmati rice
- iv) Milk and milk products
- v) Mutton
- vi) Chicken
- vii) Vegetables
- viii) Spices
- ix) Oil and Ghee
- x) Gram flour
- xi) Cornflour
- xii) Wheat flour

} : As required

**98. CRAFTSMAN FOOD PRODUCTION (VEGETARIAN)**

- i) Paper
- ii) Pencil
- iii) Parsley : 50 g
- iv) Lemon : 2 Nos.
- v) Apple : 250 g
- vi) Cabbage : 250 g,
- vii) Garlic : 1 bulb
- viii) Onion : 200 g
- ix) Carrot : 200 g
- x) Cucumber : 200 g
- xi) Tomato : 500 g
- xii) Potato : 500 g
- xiii) Egg : 4
- xiv) Milk : 500 ml
- xv) Butter : 50 g
- xvi) Cream : 50 g
- xvii) Flour : 25 g
- xviii) Seasoning and flavoring, Fats& Oils and other ingredients in optimum quantities as required may please be provided.
- xix) Detergent and cleaning material as required for sanitizing the kitchen/work place.

99/247  
103/248

**CUTTING & SEWING / SEWING TECHNOLOGY / DRESS MAKING**

- i) Brown craft paper : 02 sheets
- ii) Sewing kit : 01 No.
- iii) Medium weight cotton fabric : 2.75 meters
- iv) Fancy Buttons : 03 Nos.
- v) Laces & Trimmings : 02 meters
- vi) Sewing Machine : 01 No.
- vii) Marking chalk : 01 No.
- viii) Matching thread : 01 No.
- ix) Fusing : 0.25 meters

**Contd...17/-**



x) Elastics	: 02 meters
xi) Female/Male Croquis template	: 01 Nos.
xii) A2 size drawing sheet	: 01 No.
xiii) Water and poster colours	: 01 set
xiv) Drawing brushes	: 01 set
xiv) Tracing Paper	: 01 No.
xiv) Drawing pencils + Eraser	: 01 set

100.

**DAIRYING**

Centrifugal pump, tools for pump, Rubber seal for pump, Rubber mate etc, Two pipe pieces of 15 c length (50 mm) (stainless steel), Bench vice & clamps, SS Union 50 mm, Expanding tools, Flat file, Emery papers, Oils seal cakes, Barseem or alfa alfa grass, Wheat or Rice husk, Urea molasis block, Cotton seeds

101/243.

**DESKTOP PUBLISHING OPERATOR**

M.S office, Adobe Page Maker, Page Maker, Printer, Scanner

102.

**DIGITAL PHOTOGRAPHER**

- i) Digital SLR camera, Tripod, Wide angle lens, Zoom lens, and PC to store photography
- ii) Computer with photo editing software
- iii) Computer with internet connection, Scanner to scan and photo printer

104/249

**EMBROIDERY & NEEDLE WORKS / SURFACE ORNAMENTATION TECHNIQUES**

- i) Poster Colors (Camiln) : Box of 12 assorted colors
  - ii) Color Palette (Medium) : 01 No.
  - iii) Round brushes : 0, 2, 4 No each brush
  - iv) Drawing board (Half imperial) : 01 No.
  - v) HB pencil, Eraser, Sharpener, Plastic ruler – 12” ,etc : 01 kit
  - vi) Plain cotton fabric (18”x14”) : 01 PC of light shade/ ivory/ white
  - vii) Embroidery threads : 04 No (assorted colors of Anchor)
  - viii) Embroidery Kit : 01 Kit
- (Emb. Needle, round frame, Scissors, Tracing paper, Blue color/ Chalk power and Kerosene oil etc.)

105/246.

**FASHION TECHNOLOGY / FASHION DESIGN & TECHNOLOGY**

- i) Plain cotton fabric: 100 cm
- ii) Sewing kit: 50 cm of light shade/ ivory/ white  
(Cotton thread, Machine and Hand needle, Bobbin case, Fabric cutting scissors, Tailor chalk etc)

106.

**FINANCE EXECUTIVE\***

107.

**FIRE TECHNOLOGY & INDUSTRIAL SAFETY MANAGEMENT \***

108.

**FLORICULTURE AND LANDSCAPING\***

- 109. FOOTWEAR MAKER**  
Pattern Sheet, Designing kit, Upper material, Lining materials, Cutting knife, Sharpening stone, Scissor, Adhesive, Cutting blade, Punch, Hammer, Machines tools, Rampl, Emby paper, Shoe Last, Masking tape
- 110/239. HAIR AND SKIN CARE / BASIC COSMETOLOGY**  
Waxing material, Manicure material
- 111. HEALTH SAFETY & ENVIRONMENT \***
- 112. HEALTH SANITARY INSPECTOR**  
Spraying equipment, Soil sample
- 113. HORTICULTURE \***
- 114. HOSPITAL HOUSE KEEPING**  
i) Refilling of AB fire extinguisher cylinders : 450/- per student  
ii) Cleaning material required for hospital room & glass surface : 80/- per student
- 115. HUMAN RESOURCE EXECUTIVE \***
- 116. LEATHER GOODS MAKER**  
i) Pattern sheet  
ii) Designing kit  
iii) 8 pieces cut component of leather  
iv) 8 pieces cut component of other material  
v) Buckel-2  
vi) Riverts-8  
vii) Hammer  
viii) Spreader  
ix) Rampi  
x) Adhesive  
xi) Material for handbag  
xii) Tool kit
- 117. LITHO OFFSET MACHINE MINDER**  
i) Cleaning materials like cotton cloth, lubricating oil, grease gum, oil can, cotton waste.  
ii) All the chemicals and colloid for coating and developing of different kinds of plate.  
iii) Plate exposing machine for exposing the plate.  
iv) A lining-up table for assembling the films and page make-up of films for exposing.  
v) Press proof machine, ink and other consumables for taking print.  
vi) Tools and equipments, plate quality control strips of plate making department.
- 118. MARKETING EXECUTIVE\***

- 119/244. MULTIMEDIA ANIMATION & SPECIAL EFFECTS**  
 i) PC -01 (Window xp) : 1 No.  
 ii) MS office software : 1 No.
- 120. OFFICE ASSISTANT CUM COMPUTER OPERATOR \***  
 i) PC  
 ii) MS Office  
 iii) Other S/W & H/W as per syllabus
- 121. PHOTOGRAPHER**  
 i) Digital SLR camera, Tripod, Flash Gun  
 ii) Studio lights, Electronic Umbrella lights, Spot lights  
 iii) PC and Create a personal Email ID
- 122. PLATE MAKER CUM IMPOSITOR**  
 i) Desktop computer system for recognition of parts  
 ii) Desktop computer system loaded with various publication and design software  
 iii) A lining-up table for assembling the 16 given position of as size for exposing  
 iv) Printer and paper for taking out prints.
- 123/245. PRESERVATION OF FRUITS AND VEGETABLE \***  
 i) Stationary : As required  
 ii) Apple : As required  
 iii) Sugar : As required  
 iv) Preservative : As required  
 v) Chemicals agents : As required  
 vi) Cooling gas large : As required  
 vii) Mixer – Grinder : As required  
 viii) Utensils : As required  
 ix) Sealing pouching machine : As required  
 x) Pouches to be sealed : As required
- 124. PROCESS CAMERAMAN**  
 i) PC with photo editing software  
 ii) Scanner  
 iii) Internet
- 125/258. SECRETARIAL PRACTICE/STENOGRAPHY/ & SECRETARIAL ASSISTANT \***
- 127/260. STENOGRAPHY (HINDI) \***
- 128/252. STEWARD/ FOOD& BEVERAGES SERVICE ASSISTANT**  
 i) Computer : 1 No.  
 ii) Cutlery & crockery : As required  
 iii) Stationery : As required
- 129/262. TRAVEL AND TOUR ASSISTANT \***

- 130/263. WEAVING OF SILK AND WOOLEN FABRICS**
- i) Frame loom machine : 1 No.
  - ii) Pirn winding machine : 1 No.
  - iii) Empty pirns : 1 No.
  - iv) Warp yarns : 1 No.
  - v) Weft yarns : 1 No.
- 131. WEAVING OF WOOLEN FABRICS**
- i) 07 different types of fibres for identification : 1 No.
  - ii) Graph paper for preparing designs : As required
  - iii) Empty bobbins, weft yarn and winding wheel with stand cycle rim : As required
  - iv) Different parts of a powerloom : 20 Nos.
- 132. BUSINESS MANAGEMENT**
- 240. SPA THERAPY**
- i) Facial kit (aromatic) : 1 No.
- 250. COMPUTER AIDED EMBROIDERY & DESIGNING**
- i) Glazed cotton/silk/satin fabric : 1/2 meter
  - ii) Tracing paper : 2 sheets
  - iii) Embroidery threads in different colours : 6 Nos.
  - iv) Embroidery kit : 1 No.
- 254. FRONT OFFICE ASSISTANT**
- i) Computer peripherals : As required
  - ii) PCs with related software and accessories and internet connection
  - Printer : As required
  - iii) Twisted pair cable : As required
- 255. HOUSEKEEPER**
- i) House keeping equipment : As required
  - ii) Purifier of water : 1 No.
- 256. OLD AGE CARE**
- i) Kitchen /Home science laboratory : 1 No.
  - ii) Rice : As required
  - iii) Curd : As required
  - iv) Moong dal (Dhuli) : As required
  - v) Porridge : As required
  - vi) Lauki : As required
  - vii) Tinda : As required
  - viii) Tore : As required
  - ix) Tomato : As required
  - x) Onion : As required
  - xi) Apple : As required

- xii) Sapota
- xiii) Computer with power point software : 1 No.
- xiv) Chart paper : As required
- xv) Colour & marker : As required

**257. PRE/PREPARATORY SCHOOL MANAGEMENT ASSISTANT \***

**259. STENOGRAPHY & SECRETARIAL ASSISTANT (ENGLISH) \***

**261. TOURIST GUIDE \***

**278. MILK AND MILK PRODUCTS**

**279. FOOD BEVERAGES**

Apple, Sugar, Citric acid, Bottles, Labels, Pen, Pencil, Faulty machines, Medicinal plants, Trays, Juice glasses, Guest table setting etc.

**280. AGRO PROCESSING**

**281. DATA BASE SYSTEM ASSISTANT**

**282. SOFTWARE TESTING ASSISTANT**

**283. BAMBOO WORKS**

- i) Cross cutting machine : 1 No.
- ii) Bamboo polish machine : 1 No.
- iii) Bamboo of required sizes

**901. ARCHITECTURAL DRAUGHTSMANSHIP (2014)\***

**133. DENTAL LABORATORY EQUIPMENT TECHNICIAN \***

- i) Helmet
- ii) Gloves
- iii) Respirator
- iv) Mask
- v) Goggles
- vi) Ear muff
- vii) Face shield
- viii) Boots
- ix) 1.5 volt D battery
- x) Battery holder
- xi) 2 alligator clip heads/insulated wire
- xii) Beaker/glass
- xiii) Copper sulphate
- xiv) Copper electrode (coil of wire)
- xv) Brass key
- xvi) Safety equipment
- xvii) Water

- xviii) Glass beaker
- xix) Measuring cylinder
- xx) Copper sulphate
- xxi) Weight scale
- xxii) Litmus paper red
- xxiii) Litmus paper blue
- xxiv) Watch glass 1 per sample
- xxv) White tile 1 per sample

134.

**ARCHITECTURAL DRAUGHTSMANSHIP \***

- i) Drawing board : 1 No.
- ii) Mini drafter : 1 No.
- iii) Instrument box : 1 No.
- iv) Drawing sheet : As required
- v) Pencils HB,H2H & Eraser : 1 No. each

**Note: \*Tools & Equipments as per syllabus may be kept ready in working condition.**

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