

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

06/210. ARCHITECTURAL ASSISTANT

- i) Drawing sheets, A-I : As required

07/206 CARPENTER

- i) 160mm x 60mm x 30mm : 2 Nos.

09/214. FOUNDRYMAN / FOUNDRYMAN TECHNICIAN

- i) Melting furnace of any capacity ready to operate
ii) Ferrous scrap (cast iron) at least 1.5 times of crucible capacity
iii) All accessories & Consumables
iv) All tools & tackles for welting, pouring & casting

11. INDUSTRIAL PAINTER

- i) Thinner, Primer, Brushes, Paint spray gun
ii) Caustic soda, Acid (Sulphuric, Hydrochloric, Nitric)
iii) Paint thickness gauge, abrasion tester, Color meter, Gloss meter hardness meter

12/208. INTERIOR DESIGN & DECORATION

- i) Drawing sheets, A-I : As required

13. MARINE ENGINE FITTER

- i) Set of complete tools required for dismantling / assembling the engine
ii) A diesel engine, preferably multi cylinder, in working condition
iii) Diesel, Kerosene oil cleaning cloth etc. : As required
iv) Any other tools / equipments as may be required by the trainee

14/211. MASON (BUILDING CONSTRUCTOR)

- i) Sand
ii) Cement
iii) Tiles
iv) Chisel
v) Hammer
vi) Trowel
vii) Brackets for wash basin and flushing cistern : As required

Contd...2/-

15. MECHANIC REPAIR & MAINTENANCE OF HEAVY VEHICLES

- i) Any vehicle's multicylinder engine fitted with pistons and connecting rods (Minimum four pistons)

16. MECHANIC REPAIR & MAINTENANCE OF LIGHT VEHICLES

- i) Petrol car
- ii) Compression gauge
- iii) Hand tools kit
- iv) Fender covers
- v) Gloves
- vi) Cleaning cloths

17/201. MECHANIC DIESEL

- i) A diesel engine in working condition
- ii) Raw material / consumables such as cotton waste, Insulation tape, Emery paper, Grease, etc. : As required

18/202. MECHANIC TRACTOR

- i) A tractor in working condition
- ii) Raw material / consumables such as cotton waste, Insulation tape, Emery paper, Grease, etc. : As required

19. MECHANIC COMMUNICATION EQUIPMENT MAINTENANCE

- i) Experimental board
- ii) Transistor or IC
- iii) Fire extinguisher-small
- iv) Power supply
- v) Mill ammeter
- vi) Multimeter
- vii) LED
- viii) +5V DC power supply
- ix) AND gate IC
- x) Breadboard
- xi) Connecting wire
- xii) TV System
- xiii) Required tools & accessories

20. MECHANIC LENS / PRISM GRINDING

- i) Glass Blanks (8cm radius) per trainee
- ii) Two optical glass lens per trainee
- iii) Spectacle frame for fitting

21. PHYSIOTHERAPY TECHNICIAN***22. PLASTIC PROCESSING OPERATOR**

- i) HDPE
- ii) Blow moulding m/c
- iii) Test equipment of plastic

23/209. PLUMBER

- i) Low level flushing cistern (P.V.C) with fitting and delivery pipe of suitable size
- ii) 12 mm G.I. pipe (length)
- iii) Angle valve 12 mm sizes
- iv) Wall brackets to suit above
- v) Cement & Sand
- vi) European W.C.

24/205. PUMP OPERATOR CUM MECHANIC

- i) Rotary pump
- ii) Common tool & equipment req. for servicing the rotary pump and its effectiveness.

26/213. SHEET METAL WORKER

- i) Aluminium pipe diameter 50mm x 100mm x 3mm : 2 pieces

29/212. WELDER (GAS & ELECTRIC)

- i) MS plate size 150mm x 50mm x 10mm (50 ISF x 10-150) : 2 Nos.

30. ATTENDANT OPERATOR (CHEMICAL PLANT)

- i) Copper rod with length 450mm and diameter 20mm., Band heater used to heat up one end, digital temperature indicator and channel selector, thermocouple, measuring jar, cooling water jacket, thermal insulation
- ii) An orificemeter fitted across a pipeline leading to a collecting tank, stop watch, U-Tube manometer etc.
- iii) Vegetable oil or olive oil or coconut oil or rice bran oil, potassium hydroxide or sodium hydroxide, additive for colour and scent.

31/217. DRAUGHTSMAN CIVIL

- i) Instruments required for drawing work: : As required
- ii) Drawing sheets : As required

32/224. DRAUGHTSMAN (MECHANICAL)

- i) Draughter : 1 No.
- ii) Drawing sheet : As required
- iii) Pencil, Set square : As required

Contd...4/-

33/231. ELECTRICIAN

- i) Half wave and full wave rectifier trainer kit or separate circuit set-ups with filters : 1 set
- ii) CRO : 1 No.
- iii) Digital multi-meter : 1 No.
- iv) Soldering iron 25W, tools, cables etc. : Assorted
- v) Single-phase transformer : 1 No.
- vi) Suitable load for transformers : 1 Set.
- vii) Suitable voltmeters & ammeters : 1 Set.
- viii) Digital multi-meter : 1 No.
- ix) Cables and Wires
- x) Electric bell or buzzer 230 volts : 1 No.
- xi) Batten lamp holders with lamps : 2 set
- xii) Wooden board : 1 No.
- xiii) Push buttons : 2 No.
- xiv) PVC cable 1.5 sq. mm : 6 m.
- xv) PVC push-fit tee : 2 Nos.
- xvi) PVC push-fit right angle : 1 No.
- xvii) PVC casing capping : 2 m
- xviii) Screws and tools etc. : Assorted

34/219. ELECTRONIC MECHANIC

- i) Experimental board
- ii) PNP transistor
- iii) Power supply
- iv) Milli ammeter
- v) LED
- vi) +5V DC power supply
- vii) Breadboard
- viii) Connecting wires

35/233. ELECTROPLATER

- i) Litmus paper
- ii) Hydrometer
- iii) Thermometer
- iv) Micrometre
- v) Vat for nickel plating
- vi) Buffing machine with spindle and roller

36/227. FITTER

- i) M.S. flat 75mm x 60mm x 10mm : 1 No.

Contd...5/-

37. INSTRUMENT MECHANIC

- i) Transistor, FET, MOSFET – 4 Nos. each of different type numbers with one piece Defective in each : 12 Nos.
- ii) Digital multimeter : 1 No.
- iii) Transistor tester : 1 No.
- iv) DC Power Supply with atleast two faulty or power supply trainer : 1 No.
- v) Linear IC Trainer for Op-amp circuits. : 1 No.
- vi) Digital electronic trainer or discrete components to make full subsector circuit : 1 No.
- vii) Various tools, soldering iron, component & wires etc. : Assorted

38. INSTRUMENT MECHANIC (CHEMICAL PLANT)

- i) A step-down transformer, 4 junction diodes, 3 load resistors, Oscilloscope, Multimeters, connecting wires, breadboard.
- ii) Vegetable oil or olive oil or coconut oil or rice bran oil, Potassium hydroxide or sodium hydroxide, Additive for colour and scent
- iii) Silicon diodes – IN4004 or equivalent, and IN4744, A curve tracer

39/220. INFORMATION & COMMUNICATION TECHNOLOGY SYSTEM MAINTENANCE

- i) Desktop / Laptop : 1 No.
- ii) Operating system (Window / Linex) : 1 No.
- iii) Hard disc : 1 No.

40. LABORATORY ASSISTANT (CHEMICAL PLANT)

- i) Bourdon tube pressure gauge
- ii) Apparatus: Sintered glass crucible, Standard measuring flask, 1:1 HCl, Oven, Desiccators, Weighing balance, Titration setup.
- iii) Chemicals : Inorganic salt, Sulphuric acid, Indicator, dimethylglyoxime etc.

41/234. LIFT AND ESCALATOR MECHANIC

- i) Panel having three phase squirrel cage induction motor of available rating. MI type ammeter and voltmeter, dynamometer type wattmeter, star – delta starter etc.
- ii) Experiment kit of light control system
- iii) Stepper motor using electronic controller
- iv) Lift available in lab
- v) Required tools and equipment

42/222. MACHINIST

- i) MS Rod \varnothing 25mm x 110mm : 1 No.

43/223. MACHINIST (GRINDER)

- i) Grinding wheel as available in the workshop

Contd...6/-

44. MAINTENANCE MECHANIC (CHEMICAL PLANT)

- i) Rotameter
- ii) Provision of use of rotameter in a water pipe line
- iii) M.S. sheet 140mm x 50mm x 3mm : 2 Nos.
- iv) Gas welding set
- v) PVC pipe pieces : As required
- vi) Pipe cutter
- vii) Hot gun : 1 No.
- viii) PVC welding sticks / rods : As required

45. MARINE FITTER

- i) MS Rod ϕ 35mm x 72mm : 1 No.
- ii) One working diesel engine with all accessories for identification

47/216. MECHANIC AGRICULTURAL MACHINERY

- i) Common tools & equipments used in workshop
- ii) One multicylinder diesel engine in working condition
- iii) Common raw material used in servicing & overhauling of diesel engine

48. MECHANIC COMPUTER HARDWARE

- i) Capacitors & resistors : Assorted
- ii) Wires & switches : Assorted
- iii) IC – 555
- iv) Lamp (1 bulb)

49/273. MECHANIC CONSUMER ELECTRONIC APPLIANCES

- i) Diodes, transistor : As required
- ii) Different LEDs
- iii) Multimeter
- iv) IC : As required
- v) Power supply
- vi) Experimental board
- vii) CRO
- viii) Connecting wires

50. MECHANIC-CUM OPERATOR ELECTRONIC COMMUNICATION SYSTEMS

- i) OP-741 IC, required resistor, capacitor, diode power supply, function generator, Connecting wires.
- ii) SMPS, tester, Multimeter
- iii) SCR, TRIAC, DIAC, UJT
- iv) CRO, Diode, Soldering iron, Bread board, Wires, Function generator
- v) Required tools and accessories

51. MECHANIC INDUSTRIAL ELECTRONICS

- i) Multimeter
- ii) Voltmeter
- iii) Capacitors
- iv) DC power supply
- v) Wirer tools
- vi) Soldering wire etc.
- vii) Resistances different values
- viii) IC 555
- ix) IC741

52/225. MECHANIC MACHINE TOOL MAINTENANCE

- i) Roller contact bearing to be preventive maintenance in the housing
- ii) Lathe head stock to be preventive maintenance done
- iii) Cooling system to be preventive maintenance done
- iv) Lathe gear box to be preventive maintenance done

53. MECHANIC MECHATRONICS

- i) Tools / Instruments
- ii) Venire caliper
- iii) Try square
- iv) Vice
- v) MS flat 75mm x 50mm x 16mm

: 1 No.

54. MECHANIC MEDICAL ELECTRONICS

- i) RLC Trainer kit
- ii) CRO
- iii) Multimeter
- iv) Connecting wires and probe
- v) Function generator
- vi) Power supply
- vii) Tracing paper
- viii) Op-amp IC 741
- ix) Dual power supply 15 V
- x) Resistors
- xi) Capacitors
- xii) Breadboard and connecting wires
- xiii) IC 555
- xiv) AFO
- xv) RPS
- xvi) SCR TYN604
- xvii) Diode IN4001
- xviii) RPS (0-30 V)
- xix) Ammeter (0-10 mA, 0-100 mA)
- xx) Voltmeter (0-30 V)

Contd...8/-

- xxi) Different IC circuit with heat sink
- xxii) IGBT/MOSFET
- xxiii) Pulse transformer
- xxiv) Ammeter (0-100 mA)
- xxv) Voltmeter (0-1000 V)
- xxvi) Inductor and Capacitor
- xxvii) Variable load resistor
- xxviii) Diode

55/215. MECHANIC MOTOR VEHICLE

- i) Tools / Instruments
- ii) Box spanner set
- iii) Torque wrench
- iv) Valve spring lifter
- v) Wire brush
- vi) Vacuum gauge
- vii) Feeler gauge
- viii) Multi cylinder diesel engine
- ix) Engine hoist
- x) Valve spring tester
- xi) Tray
- xii) Cotton cloth
- xiii) Kerosene
- xiv) Soap oil
- xv) Wooden block

56/218. REFRIGERATION AND AIR CONDITIONING

- i) Window type A.C
- ii) Refrigerant – R - 22
- iii) Necessary tools

57. MECHANIC RADIO AND TELEVISION

- i) Bread Board
- ii) Resistors
- iii) Transistor
- iv) CRO
- v) Connecting wires
- vi) Multimeter
- vii) Function generator
- viii) Power supply
- ix) Given microphone, required tools & accessories
- x) Transformer
- xi) Capacitor
- xii) Diodes
- xiii) Voltmeter
- xiv) Single side copper clad PCB (2.5 x 2.5) Square inch
- xv) Ferric chloride solution

Contd...9/-

- xvi) Etching equipment
- xvii) Drilling machine
- xviii) Any given oscillator experiment kit (available in lab)
e.g. Tank circuit oscillator experiment kit
- xix) Experiment kit of RF oscillator and CRO
- xx) Probe and connecting wires
- xxi) Resistors and capacitors of suitable value
- xxii) Variable resistor

58/226. OPERATOR ADVANCE MACHINE TOOL

- i) MS Block 90mm x 45mm x 40mm : 1 No.

59. PAINTER GENERAL

- i) Plywood sheet : As required
- ii) Emery paper of various grit sizes : As required
- iii) Chalk / putty : As required
- iv) Varnish : As required
- v) Paint : As required
- vi) Writing brush : As required
- vii) Polishing wheel
- viii) Cash from pipe : As required
- ix) Paint brush : 1 No.
- x) Wire brush : 1 No.
- xi) Pickling bath : 1 Set
- xii) Primer : As required
- xiii) Putty powder : As required
- xiv) Linseed oil : As required
- xv) Wooden sample
- xvi) Personal protective equipment : As required

60. RADIOLOGY TECHNICIAN

- i) X-ray image intensifier
- ii) X-ray machine with accessories and materials required
- iii) X-ray fixers
- iv) Rectifier
- v) X-ray cassettes
- vi) Chemicals and equipments required in lab

61/235. SPINNING TECHNICIAN

- i) Blow Room (miniature)
- ii) Necessary tools

62. SURVEYOR

- i) Plane Table with accessories : 1 No.
- ii) Drawing sheet : As required

Contd...10/-

63/236. TEXTILE MECHATRONICS

- i) Carding machine : 1 No.
- ii) Note book : 1 No.
- iii) Pen : 1 No.
- iv) 3 Phase Induction Motor : 1 No.
- v) Wire : As required
- vi) Gauges & soldering etc.

64/237. TEXTILE WET PROCESSING TECHNICIAN

- i) Weighing balance (100 kg capacity) : 1 No.
- ii) Trolley : 1 No.
- iii) Tub : 2 Nos.
- iv) Thermometer : 1 No.
- v) Burner : 1 No.
- vi) Hydrogen peroxide : As required
- vii) Sodium carbonate : As required
- viii) Sodium hydroxide : As required
- ix) Sodium silicate : As required
- x) Any other chemicals : As required
- xi) Safety gadgets : As required
- xii) Pad – dry – cure machine : 1 No.
- xiii) Resin (DMU / DMDHEU) : As required
- xiv) Polyethylene emulsion : As required
- xv) Reactive softener : As required
- xvi) Acetic acid : As required
- xvii) Water : As required
- xviii) Fabric : As required

65/228. TOOL & DIE MAKER (DIES & MOULDS)

- i) MS Round \varnothing 25mm x 65mm : 1 No.

66/229. TOOL & DIE MAKER (PRESS TOOLS, JIGS & FIXTURES)

- i) Cast iron block 70mm x 90mm x 60mm : 1 No.

67/221. TURNER

- i) Mild Steel Round \varnothing 36mm x 150 mm : 1 No.

68. VESSEL NAVIGATOR

- i) All the tools and equipments used in vessel repair shop : As required
- ii) All consumable raw material and reference material used calculating position of a ship

69/238. WEAVING TECHNICIAN

- i) Different type of fibres : As required
- ii) Feed package for warping
- iii) Feed package for pirn winding machine

Contd...11/-

70/232. WIREMAN

- i) Earth tester : One set
- ii) Batten lamp holder pin type : 3 Nos.
- iii) 3-Pin 5 ampere socket : 2 Nos.
- iv) Ceiling rose : 1 No.
- v) Main switch iron clad, Single phase 32 Ampere, 220V : 1 Set.
- vi) P/T switch 5 ampere : 6 Nos.
- vii) Street light fitting having 70 W sodium lamp along with other accessories : 1 Set
- viii) XLPE single core multi strand copper single core flexible wire size-1.5 mm² of 440/660 V grade. : One lot
- ix) Incandescent lamp P/T 40W : 3 Nos.
- x) Ceiling fan 1200 mm sweep : One set

93/251. BAKER & CONFECTIONER

- i) Refine flour : As required
- ii) Baking powder : As required
- iii) Sugar powder : As required
- iv) Eggs : As required
- v) Raisins : As required
- vi) Tutty-frutty : As required
- vii) Dry fruits : As required
- viii) Chocolate : As required
- ix) Butter (un salted) : As required
- x) Shortening / fat : As required
- xi) Milk : As required
- xii) Rice : As required
- xiii) Sugar : As required

94. CANE, WILLOW & BAMBOO WORKER

- i) Bamboo, chemicals etc : As required
- ii) Fabric, Lubricant, oil : As required

95. CATERING & HOSPITALITY ASSISTANT

- i) Dinning table
- ii) Different cloths for laying table : As required
- iii) Tableware, Cutlery, Glassware & Crockery : As required
- iv) Different colour dustbins : As required
- v) Waste of different kind & Material : As required
- vi) Stationary : As required
- vii) Milk : As required
- viii) Butter : As required
- ix) Refined flour : As required
- x) Onion, Clove & Bay leaf : As required
- xi) Seasoning : As required
- xii) Gas range & cooking utensils : As required

96/242. COMPUTER OPERATOR AND PROGRAMMING ASSISTANT

- i) PC
- ii) MS-Office
- iii) Other H/W and S/W tools as mentioned in 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) Golden sella rice
- iv) Milk and Milk products
- v) Mutton
- vi) Chicken
- vii) Vegetables
- viii) Spices
- ix) Oil and Ghee
- x) Refined wheat flour
- xi) Cornflour
- xii) Noodles

: As required

98. CRAFTSMAN FOOD PRODUCTION (VEGETARIAN)

- i) Paper, Pen, Ingredients as per indent for four persons in reasonable quantity, for sponge cake : GP Paper
- ii) Flour : 95g
- iii) Cornflour : 5g.
- iv) Sugar : 100g.
- v) Fat : 700
- vi) Eggs : 3 Nos.
- vii) Baking powder : 1/12 tspn.
- iii) Vanilla / few drops, emulsifier-optional.
- iv) Cleaning equipment, material and detergents as required

99/247. CUTTING & SEWING / SEWING TECHNOLOGY

- i) Brown craft paper : 3 sheets
- ii) Sewing kit : 1 No.
- iii) Shirting fabric : 2.75 meter
- iv) Shirt button : 12 Nos.
- v) Collar / Cuff placket button : 6 Nos.
- vi) Sewing machine : 1 No.
- vii) Marking chalk : 1 No.
- viii) Matching thread : 1 No.
- ix) Fusing : 0.5 meter

Contd...13/-

100. DAIRYING

- i) Milk (Packed in can / Poly pack)
- ii) Plunger
- iii) A set of beakers / samplers
- iv) Test tubes and arrangement for flame
- v) Standard testing equipment / glass ware and detergents
- vi) Standardized alcohol and test tubes / pipettes
- vii) Proper uniform for operator including head cap
- viii) A wash basin near by
- ix) Standard Gerber fat testing equipment / Glass ware and reagents, Thermometer, Lactometer with cylinder, hot water bath etc.
- x) Floor brushes / Rubber / Squeezes / Water hose.

101/243. DESKTOP PUBLISHING OPERATOR

- i) Photoshop
- ii) Corel draw
- iii) Adobe in design

102. DIGITAL PHOTOGRAPHER

- i) Video camcorder, Tripod, memory card, 3 point lighting studio, Collar microphone, White board or White board or white paper for white balance, PC to store footage.
- ii) Computer, Firewire cable to capture the footage in computer, Memory card reader.
- iii) Computer with editing software
- iv) Computer with format factory software or any video converter software

103/248. DRESS MAKING

- i) Brown craft paper : 3 sheets
- ii) Sewing kit : 1 No.
- iii) Medium weight cotton fabric : 2.75 meters
- iv) Fancy buttons : 3 nos.
- v) Shirt buttons : 12 Nos.
- vi) Sewing machine : 1 No.
- vii) Marking chalk : 1 No.
- viii) Matching thread : 1 No.
- ix) Fusing : 0.25 meters
- x) Elastics : 2 Meters

104/249. EMBROIDERY & NEEDLE WORKS / SURFACE ORNAMENTATION TECHNIQUES (EMBROIDERY)

- i) Plain cotton fabric : 2 mtr. Of light shade / ivory / white
 - ii) Embroidery threads : 4 nos. (Assorted colors of Anchor)
 - iii) Embroidery kit : 1 kit
- (Emb. Needle, Round frame, Scissors, Tracing paper, Blue color / Chalk powder and Kerosene oil etc.)

105/246. FASHION DESIGN & TECHNOLOGY

- i) Printed cotton fabric : 1 mtr.(Nursery print)
- ii) Laces / decorative material : 1 mtr.
- iii) Embroidery thread : 2-3 shades
- iv) Sewing kit (Cotton thread, Machine, Hand and embroidery needle, Bobbin, Bobbin case, Fabric cutting scissors, Tailor chalk, etc.) : 1 kit

106. FINANCE EXECUTIVE***107. FIRE TECHNOLOGY AND INDUSTRIAL SAFETY MANAGEMENT**

- i) ABC powder, CO₂
- ii) Automatic fire detection system
- iii) Fire protection equipment

108. FLORICULTURE & LANDSCAPING

- i) Asparagus
- ii) Ferns
- iii) Grevillea
- iv) Callistemon
- v) Solidago palms
- vi) Cycad
- vii) Thuja
- viii) Lemon grass
- ix) Prunus
- x) Russelia
- xi) Aglonima
- xii) Diffenbachea
- xiii) Dressina
- xiv) Saflera
- xv) Aerocaria
- xvi) Moneyplant
- xvii) Gladioli
- xviii) Chysanthemum
- xix) Marigold
- xx) Jaffery
- xxi) Rose
- xxii) Crossendra
- xxiii) Tube rose
- xxiv) Garenias
- xxv) Jasmine
- xxvi) Amaranthus
- xxvii) Malathion
- xxviii) Ciathion
- xxix) Parathion
- xxx) Nuan

- xxxix) China aster
- xxxii) Chlorophyrophos
- xxxiii) Dahlia
- xxxiv) Bavistin
- xxxv) Captan
- xxxvi) Thiram
- xxxvii) Twigs
- xxxviii) Polythene sheets
- xxxix) Rope
- xl) Earthen pot
- xli) Pot mixture
- xlii) Calendula
- xliii) Dahlia
- xliv) Aster
- xlv) Phlox
- xlvi) Alyssum
- xlvii) Matricaria
- xlviii) Sweet pea
- xlix) Nasturtium
- l) Holly hock
- li) Poppy
- lii) Secateurs
- liii) Edge cutter
- liv) Budding knife
- lv) Spade
- lvi) Lawn mower
- lvii) Hand hoe
- lviii) Garden rake
- lix) Hedge sheer
- lx) Scissor
- lxi) Honey
- lxii) Wax
- lxiii) Pollen
- lxiv) Propolis
- lxv) Jelly

109. FOOTWEAR MAKER

- i) Paper / tin pattern
- ii) Finishing material
- iii) Insole board
- iv) Shank board
- v) Upper material
- vi) Lining material
- vii) Cutting knife
- viii) Sharpening stone
- ix) Scissor
- x) Awl

Contd...16/-

- xi) Rampi
- xii) Adhesive
- xiii) Cutting blade
- xiv) Tool kit
- xv) Hammer
- xvi) Sole
- xvii) Insole
- xviii) Toe puff sheet
- xix) Counter sheet
- xx) Nails
- xxi) Lasting tools

110/239.BASIC COSMETOLOGY

- i) Make-up kits
- ii) Hair colour

111. HEALTH SAFETY AND ENVIRONMENT***112. HEALTH SANITARY INSPECTOR*****113. HORTICULTURE**

- i) Fresh fruits 5 types
- ii) Fresh vegetables
- iii) Manure's – different types
- iv) Fertilizers

114. HOSPITAL HOUSEKEEPING

- i) Flower, Vase, Oasis etc for flower arrangement

115. HUMAN RESOURCES EXECUTIVE***116. LEATHER GOODS MAKER**

- i) Leather for belt and coin purse
- ii) No.3 nylon zip
- iii) No.3 runner
- iv) Thread
- v) Adhesive
- vi) Tool kit
- vii) Belt buckle
- viii) Purse buttons
- ix) Matching colour dye for belt
- x) Scissors
- xi) Cutting blade
- xii) Awl
- xiii) Rampi
- xiv) Sharpening stone
- xv) Grinder

Contd...17/-

117. LITHO-OFFSET MACHINE MINDER

- i) Blanket, developed Offset plates for mounting and printing
- ii) Paper, inks and other chemicals for printing
- iii) Sheet fed offset printing machine (single / Bi-colour)
- iv) Tools and equipments of offset printing departing
- v) Web offset machine with two units, paper roll

118. MARKETING EXECUTIVE***119/244. MULTIMEDIA, ANIMATION & SPECIAL EFFECTS**

- i) PC required : 1 No.
- ii) Adobe Premier Project Software : 1 No.
- iii) 3ds Max Software : 1 No.
- iv) MAYA Software : 1 No.

120. OFFICE ASSISTANT CUM COMPUTER OPERATOR

- i) PC
- ii) MS Office
- iii) Computer peripherals
- iv) Printer

121. PHOTOGRAPHER

- i) Video Camcorder
- ii) Mini-DV Tapes
- iii) Tripod
- iv) PC with Video editing software
- v) Speakers CD/DVD
- vi) Digital SLR Camera
- vii) Flash Gun
- viii) Studio lights
- ix) Electronic Umbrella Lights
- x) Spot Lights

122. PLATE MAKER CUM IMPOSITOR

- i) All the chemicals for developing PS plate
- ii) A positive pasted format

123/245. FRUITS AND VEGETABLES PROCESSING

- i) Refrigerator
- ii) Cleaning agents
- iii) Cloths for cleaning
- iv) Lemon
- v) Gas range
- vi) Oil / Fat
- vii) Salt
- viii) Spices / condiments
- ix) Stationery

: As required

Contd...18/-

124. PROCESS CAMERAMAN

- i) Lith film
- ii) Process camera
- iii) Original having line wax
- iv) A photograph having black & white picture
- v) Required chemicals for developing of negative / film
- vi) Scale

125/258. SECRETARIAL PRACTICE (ENGLISH)***126/259. STENOGRAPHER & SECRETARIAL ASSISTANT (ENGLISH)*****127/260. STENOGRAPHY (HINDI)*****128/252. STEWARD / FOOD & BEVERAGES SERVICE ASSISTANT**

- i) Stationery : As required
- ii) Milk : As required
- iii) Sugar : As required
- iv) Tea leaf : As required
- v) Kettle & Crockery : As required
- vi) Serving trays : As required
- vii) Carrat : As required
- viii) Tomatoes : As required
- ix) Onion : As required
- x) Cucumber : As required
- xi) Gas
- xii) Chopping bread & knife

129/262. TRAVEL & TOUR ASSISTANT / TRAVEL & TRAVEL ASSISTANT***130/263. WEAVING OF SILK & WOOLEN FABRICS / WEAVING OF SILK & WOOLEN FABRICS**

- i) Power loom
- ii) Pirn winding machine
- iii) Empty pirns
- iv) Complete accessories
- v) Yarn on beams
- vi) Yarn for weft

131. WEAVING OF WOOLEN FABRICS

- i) Graph sheets : As required
- ii) Peg doobby
- iii) Sufficient swatches of woollen fabric with hand milling arrangements

133. DENTAL LABORATORY EQUIPMENT TECHNICIAN

- i) Mandibular cast
- ii) Wax
- iii) Lacron carver
- iv) Bunsen burner
- v) Cold mould seal / Vaseline
- vi) Marker
- vii) Mandibular denture
- viii) Cold cure acrylic
- ix) Lathe
- x) Soldering machine
- xi) Lingual bar
- xii) Solder
- xiii) Eye protection
- xiv) Maxillary denture
- xv) Denture polish
- xvi) Cotton
- xvii) Vaseline
- xviii) Micromotor
- xix) Burs
- xx) Acrylic teeth set
- xxi) Maxillary and mandibular cast mounted on articulator with occlusal rims
- xxii) Carver
- xxiii) Glass plate

134. ARCHITECTURAL DRAUGHTSMANSHIP

- i) Drawing board & stool
- ii) Cartridge sheet A₁ size – 6
- iii) Hand tools for drafting
- iv) Tracing sheets – 2 for rough work

203. MECHANIC AUTO ELECTRICAL & ELECTRONICS

- i) Battery in working conditions
- ii) Set up for pull-in test of starter motor
- iii) Vehicle fitted with battery & starter motor in working condition

204. MECHANIC MOTOR CYCLE

- i) One Motor cycle in working condition
- ii) Raw material and tools used in repairing puncture of a motor cycle tube

207. SURVEYOR

- i) Tape : 1 No.
- ii) Wooden piece : As required
- iii) Compass : 1 No.

240. SPA THERAPY*

Contd...20/-

- 241. ARCHITECTURAL DRAUGHTSMANSHIP***
- 250. COMPUTER AIDED EMBROIDERY & DESIGNING**
- | | |
|---|----------------------------|
| i) Zigzag / Ari / Computer embroidery machine | : 1 No. |
| ii) Glazed cotton / Silk / Satin fabric | : 1/2 metre |
| iii) Tracing paper | : 2 Sheets |
| iv) Embroidery threads | : 3 (In different colours) |
| v) Embroidery kit | : 1 No. |
- 254. FRONT OFFICE ASSISTANT**
- | | |
|---|--|
| i) Computer peripherals | |
| ii) PCs with related software and accessories and internet connection, printer. | |
- 255. HOUSEKEEPER**
- | | |
|----------------------------|--|
| i) House keeping equipment | |
|----------------------------|--|
- 256. OLD AGE CARE**
- | | |
|---|--|
| i) A Room, Bed, Bed linen, Walker for elderly, Bed pan, Special air matters to avoid bed sores | |
| ii) Physio therapy equipment for exercises | |
| iii) Home – science lab | |
| iv) Ingredients for a soft diet like dalia, Khicdi, Curd, Milk, Custard, Vegetables for soup etc. | |
| v) Chart paper for making chart or flash cards for different activities | |
- 257. PRE / PREPARATORY SCHOOL MANAGEMENT ASSISTANT***
- 261. ASSISTANT TOURIST GUIDE***
- 264. COMPUTER HARDWARE & NETWORK MAINTENANCE**
- | | |
|----------|--|
| i) PC | |
| ii) Unix | |
- 265. TECHNICIAN POWER ELECTRONICS SYSTEMS**
- | | |
|--|------------|
| i) Transistors, Resistors, Capacitors & PCB etc. as per circuit diagram or amplifier trainer kit | : 1 Set. |
| ii) CRO | : 1 No. |
| iii) Digital multi-meter | : 1 No. |
| iv) Soldering iron, Solder, Wires, Cables & tools | : Assorted |
| v) SCRs of different power ratings & different packages | : 12 Nos. |
| vi) Relay, Lamp with holder | : 1 No. |
| vii) Power supply | : 1 No. |
| viii) Multi – meter | : 1 No. |
| ix) Discrete components as per diagram or trainer kit | : 1 Set. |
| x) Digital IC trainer kit | : 1 No. |

Contd...21/-

266. MECHANIC AUTOBODY REPAIR

- i) Set up of Oxyacetylene welding
- ii) Goggles
- iii) Safety Boots
- iv) Gloves
- v) Grease

267. MECHANIC AUTO BODY PAINTING

- i) Multicylinder diesel engine
- ii) Air compressor
- iii) Kerosene
- iv) Soap oil
- v) Lubricant oil
- vi) Cleaning cloth
- vii) Emery paper
- viii) Gease

268. WELDER (GMAW & GTAW)

- i) MS flat 150mm x 50mm x 10mm : 2 Nos.
- ii) MS flat 150mm x 40mm x 10mm : 1 No.
- iii) MS flat 150mm x 30mm x 10mm : 1 No.
- iv) MS pipe diameter 30mm x 40mm : 1 No.

269. WELDER (PIPE)

- i) MS pipe: diameter 50mm x 205mm x 3 thickness : 1 No.
- ii) Aluminium pipe: diameter 50mm x 100mm x 3mm : 1 No.
- iii) Aluminium pipe: diameter 50mm x 80mm x 3mm : 1 No.

270. WELDER (STRUCTURAL)

- i) MS pipe dia. 50mm x 3mm x 100mm : 2 Nos.
- ii) MS flat: 100mm x 50mm x 10mm : 2 Nos.

271. WELDER (WELDING & INSPECTION)

- i) Aluminium plate diameter 100mm x 3mm thick : 1 No.
- ii) Aluminium pipe diameter 50mm x 50mm x 3mm : 1 No.

272. WELDER (FABRICATION & FITTINGS)

- i) MS Flat 150mm x 105mm x 10mm : 1 No.
- ii) MS plate 50mm x 150mm x 10mm : 1 No.
- iii) MS Plate 120mm x 30mm x 6mm : 2 Nos.

Contd...22/-

275. MECHANIC AIR CONDITIONING PLANT

- i) Window air conditioner 1 Ton
- ii) Refrigerant R22

277. INFORMATION TECHNOLOGY

- i) PC
- ii) MS Office
- iii) Internet
- iv) HTML / CSS

279. FOOD BEVERAGES

- i) Lemon, Sugar, Soda, Bottles, Labeling Material etc.
- ii) Pineapple juice extract waste, Glacial acetic acid, etc.
- iii) Beer for Quality testing etc.

283. BAMBOO WORKS

- i) Bamboo slivers
- ii) Bamboo sticks

284. CIVIL ENGINEERING ASSISTANT

- | | |
|---------------------------------|---------------|
| i) Bath tub | : 1 No. |
| ii) Cement | : 1/2 bag |
| iii) Sand | : 0.1 cum |
| iv) G.I Pipe | : 2 lengths |
| v) Joints | : As required |
| vi) Shower | : 1 No. |
| vii) Control valve | : 2 Nos. |
| viii) Cutting and shaping tools | |

901. ARCHITECTURAL DRAUGHTSMANSHIP*

Note: *All tools, Instrument and equipment as per syllabus of the trade should be kept ready.
