

E1/39/16Tools and equipments for plumber trade

Sl no	Sl No in the syllabus	Item Description	Recommended specification	Quantity Required		total quantity
				THEVALAKARA	ELAMADU	
TRAINEES TOOL KIT						
1	1	Rule Steel 300 mm both in inch and mm	<u>Steel rule-</u> 300mm both inch and mm (Staineless steel with engraving graduation , 1 mm Thickness 25 mm width)	8	2	10
2	8	Hammer ball pein 250 grams	<u>Ball peen hammer-</u> with wood handle 200 grams	42		42
3	11	Plumb bob 50 grams	<u>Plumb bob-</u> 50 gm (Cube - teak wood , bob - brass)	8		8
4	12	Trowel C-125-IS: 6013	<u>Trowel-</u> C-125 -IS:6013 (Tool steel)	8		8
5	13	Stillson wrench 200 mm	1) <u>Stilson pipe wrench</u> - 200 mm (Forged steel)IS 4003	8		8
6	13A	Stillson wrench 350 mm	<u>Stilson pipe wrench</u> -350 mm (Forged steel)IS 4003	8		8
7	14	Screw Driver 250 mm	<u>Screw Driver-</u> 250 mm (High carbon steel heavy duty)	8		8
8	17	Steel tape (5m)	<u>Steel tape-</u> 5 meters both inch & mm, metal cover 25mm width	8		8
B. TOOLS, MEASURING INSTRUMENTS & GENERAL SHOP OUTFIT:						
9	3	'V' Blocks with clamps 80/7-63A IS 2949	<u>'V' Blocks-</u> with clamps 80/7-63A IS:2949 (Cast Iron)	2	2	4
10	4	Combination set 200 mm	<u>Combination set-</u> 200 mm	1		1
11	14	Chisel Cold Flat 20 mmX300mm	<u>Chisel</u> -cold flat 20 mm X 300 mm (High carbon steel)	2		2
12	19	Screw Pitch gauge to cover above threads	<u>Screw pitch gauge-</u> BSF 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 " IS 9610-1980	1		1
13	19A		Screw pitch gauge BSW 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 " IS 9610-1980	1		1
14	19B		<u>Screw pitch gauge-</u> metricM6 to M12 IS 9610-1980	1		1
15	23	Spanner monkey up to 50mm	<u>Monkey spanner-</u> up to 50 mm (Chromium vanadium steel, Drop forged steel) IS 6118-1991	2		2
16	24	Stove melting solder	Stove melting solder one liter capacity tank (Tank - Brass)	1		1
17	27	Soldering Iron , Copper , Bit , Fire heated , Hatched , Straight , 500 grams	<u>Soldering Iron-</u> , Copper , Bit , Fire heated , Hatched , Straight , (500 gm) 500 mm with wooden handle	4		4
18	28	Snip Straight 250mm	<u>Snip-</u> Straight 250mm (Drop forged tool steel)	1		1

19	33	Odd leg calliper 200mm	Odd leg caliper- 200 mm firm joint (mild steel- case hardened)	1		1
20	40	Gas Welding set with oxygen acetylene cylinder	Gas welding set- (1) Acetylene gas cylinder of capacity 8m ³ (2) Oxygen gas cylinder of 7m ³ capacity supported with manufactures test approved from chief controller of explosive Govt. of India , Nagpur B.I.S (3) Acetylene pressure regulator double stage (4) Oxygen pressure regulator double stage (5) High pressure welding blow pipe with nozzle numbers 1,3,5,7 (6) Gas welding rubber hose 8 mm dia (Red and black 10 meter each) (7) Spindle key for cylinder valve opening (8) Rubber hose clip 3/4 " (9) Spark lighter for lightning blow pipe (10) Tip cleaner for nozzle cleaning (11) Adjustable spanner (12) Trolley for cylinders	1		1
21	41	Goggles pair welder 100 mm	Goggles- pair welder 100 mm (plain)	2		2
22	42	Brush Steel Wire 150X 50 mm	Steel wire brush- 150 x 50 mm (3 Nos)	1		1
23	43	Table welding 1200X 750 mm with fire bricks top and stand	Table welding -1200x 750 mm with fire bricks top and stand (Table MS)	1		1
24	46	Washer cutter	Washer cutter -12 to 25 mm H.C.S. SET OF 3	1		1
25	47	Mirror 100X150 mm	Mirror- 100 x150 mm	2		2
26	48	Scribing gauge	Scribing gauge- universal 300 mm (Base cast iron)	1		1
27	49	Soil pot with brush	Soil pot- 1 (Cast Iron) with brush (Flat) 50mm	1		1
28	50	Pot- Hook	Pot- Hook- 150mm (Mild steel)	1		1
29	51	D. E. Spanners 7X8, 10X11, 13X1. 7, 19X2.2, 24X27 IS:2028	D. E. Spanners -7x8, 10x11, 13x1. 7, 19x2.2, 24x27 IS-2028 (Chromium vanadium steel , drop forged) SET OF 12 NOS	2		2
30	52	Branch Gimlets	Branch Gimlets - 150 mm (High carbon steel)	1		1
31	53	Bending Spring	Bending Spring- 15 to 50 mm (Spring steel)	1		1
32	54	Plumbers Laddle	Plumbers Laddle- (Cast iron)	1		1
33	55	Tool caulking set of S	Tool caulking set- of 2 H.C.S.	2		2
34	58	Pipe vice to grip up to 77 mm is -2587	Pipe vice- to grip up to 77 mm IS: 2587	4	1	5
35	62	Adjustable, spanner, A-375, IS- 6149	Adjustable, spanner- A-375, IS- 6149 (Drop forged steel)	2	1	3
36	63	Anvil 50 or 63 kg. IS- 510	Anvil- 50 or 63 kg. IS- 510	1		1
37	65	Leg vice, 75mm jaw on Stand IS -2588	Heavy duty Leg vice- 75mm jaw on Stand IS -2588 (With clamping machanism)	1		1
38	68	Portable forge ,450mmwith hand blower	Portable forge- ,450mmwith hand blower (Blower size 275 mm)	1		1
39	69	Flat smithy tong	Flat smithy tong- 350mm H.C.S.	1		1
40	73	Water Heater 10 litres	Water Heater -10 litres (2000 watts) with all accessories		1	1
41	77	Water meter	Water meter- 20mm domestic type (IS: 2401)		1	1
42	78	Steel lockers with 8 drawers Metal rack (1800x1500x450mm)	Steel locker- Industrial locker with 12 pigeon hole, 78"x36"x19" 20(G) CR sheet.	2		2
43	79	Metal rack (1800X1500X450mm)	Steel slotted angle rack 72" x 36" x15" - 6 panel 20swg, CR sheet	1		1
44	84	Fire Buckets with stand	Fire Buckets - (GI - 20 Gauge) 10 liter ,3 nos with stand mild steel (Red Colour)	1		1

45	85	Steel Almirah (large)	Storage shelf -steel cabinet with four shelves 78"x36"x19". 20(G) CR sheet.	1		1
46	86	Hammering drilling machine	<u>Hammering drilling machine-</u> 800 Watts electric hammering drilling machine with chuck and drill bit (3 Options)	1		1
47	91	Sight rail and bonning rod	<u>Sight rail and boning rod-</u> (Hard Wood)	1		1
48	92	Rachet pipe die 15 mm to 32 mm	<u>Rachet pipe die-</u> 15 mm to 32 mm	1		1
49	95	Dormat, Pickaxe, Spade, Girmale	<u>Dormat, Pickaxe, Spade, Girmale- each</u>	1		1
50	99	Solar water heater system	Solar water heater system - Type: Evacuated Tube Collector,storage tank made of stainless steel 304 L capacity 150 liter, backup heating system	1	1	2
51	100	Ring guage 15 mm,20mm,25mm,32mm	<u>Ring guage-</u> 15 mm,20mm,25mm,32mm with calibration cerificate IS 9610-1983	1		1