

Welding Assistant Technician Practical – List of Tools and Materials

Welding Assistant Practical - Requirement List			
S.No	Description	Unit	Quantity (per candidate)
Task 1			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Oxygen cylinder	PC	1
6	Acetylene cylinder	PC	1
7	Gas pressure regulators	PC	1
8	Slag collector tray	PC	1
9	Striker for ignition	PC	1
10	Cylinder valves	PC	1
11	Cylinder keys with spanner	PC	1
12	Hose pipes of required color coding	PC	1
13	Cutting torch	PC	1
14	Drawing and measuring instruments like calibrated measuring tape, caliper, chalk, center punch, etc.	PC	1
15	Chipping hammer	PC	1
16	Wire brush	PC	1
17	Safety guidelines and fire extinguishers	PC	1
Task 2			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Welding gun and components (gas nozzle, current contact tube/contact tip, gun switch, liner for wire)	PC	1
6	Welding machine or power source (Constant current, DC+/-, AC) with electrical leads	PC	1
7	Shielding gas supply (Argon, Helium or their mixture)	PC	1
8	Gas pressure regulators	PC	1
9	Filler wire - consumable electrode	PC	1
10	Wire feeder	PC	1
11	Gas cylinder valves	PC	1
12	Cylinder keys with spanner	PC	1
13	Hose pipes of required color coding	PC	1
14	Plier for cutting filler wire	PC	1

15	Chipping hammer	PC	1
16	Wire brush	PC	1
Task 3			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Tungsten electrode	PC	1
6	Welding machine or power source (Constant current, DC+/-, AC) with electrical leads	PC	1
7	Torch and components (collet, electrode cap, shielding gas nozzle, hose, coolant hose pipes)	PC	1
8	Shielding gas supply (Argon, Helium or their mixture)	PC	1
9	Gas pressure regulators	PC	1
10	Filler wire rod	PC	1
11	Gas cylinder valves	PC	1
12	Cylinder keys with spanner	PC	1
13	Hose pipes of required color coding	PC	1
Task 4			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Welding gun and components (gas nozzle, current contact tube/contact tip, gun switch, liner for wire)	PC	1
6	Welding machine or power source (Constant current, DC+/-, AC) with electrical leads	PC	1
7	Shielding gas supply (Argon, Helium or their mixture)	PC	1
8	Gas pressure regulators	PC	1
9	Filler wire - consumable electrode	PC	1
10	Wire feeder	PC	1
11	Gas cylinder valves	PC	1
12	Cylinder keys with spanner	PC	1
13	Hose pipes of required color coding	PC	1
14	Plier for cutting filler wire	PC	1
15	Chipping hammer	PC	1
16	Wire brush	PC	1
Task 5			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Oxygen cylinder	PC	1

6	Acetylene cylinder	PC	1
7	Gas pressure regulators	PC	1
8	Slag collector tray	PC	1
9	Striker for ignition	PC	1
10	Cylinder valves	PC	1
11	Cylinder keys with spanner	PC	1
12	Hose pipes of required color coding	PC	1
13	Cutting torch	PC	1
14	Drawing and measuring instruments like calibrated measuring tape, caliper, chalk, center punch, etc.	PC	1
15	Chipping hammer	PC	1
16	Wire brush	PC	1
17	Safety guidelines and fire extinguishers	PC	1
Task 6			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Welding gun and components (gas nozzle, current contact tube/contact tip, gun switch, liner for wire)	PC	1
6	Welding machine or power source (Constant current, DC+/-, AC) with electrical leads	PC	1
7	Shielding gas supply (Argon, Helium or their mixture)	PC	1
8	Gas pressure regulators	PC	1
9	Filler wire - consumable electrode	PC	1
10	Wire feeder	PC	1
11	Gas cylinder valves	PC	1
12	Cylinder keys with spanner	PC	1
13	Hose pipes of required color coding	PC	1
14	Plier for cutting filler wire	PC	1
15	Chipping hammer	PC	1
16	Wire brush	PC	1
Task 7			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Tungsten electrode	PC	1
6	Welding machine or power source (Constant current, DC+/-, AC) with electrical leads	PC	1
7	Torch and components (collet, electrode cap, shielding gas nozzle, hose, coolant hose pipes)	PC	1
8	Shielding gas supply (Argon, Helium or their mixture)	PC	1

9	Gas pressure regulators	PC	1
10	Filler wire rod	PC	1
11	Gas cylinder valves	PC	1
12	Cylinder keys with spanner	PC	1
13	Hose pipes of required color coding	PC	1
Task 8			
1	Safety Coverall	PC	1
2	Safety goggle	PC	1
3	Safety shoe	PAIR	1
4	Hand gloves	PAIR	1
5	Oxygen cylinder	PC	1
6	Acetylene cylinder	PC	1
7	Gas pressure regulators	PC	1
8	Slag collector tray	PC	1
9	Striker for ignition	PC	1
10	Cylinder valves	PC	1
11	Cylinder keys with spanner	PC	1
12	Hose pipes of required color coding	PC	1
13	Cutting torch	PC	1
14	Drawing and measuring instruments like calibrated measuring tape, caliper, chalk, center punch, etc.	PC	1
15	Chipping hammer	PC	1
16	Wire brush	PC	1
17	Safety guidelines and fire extinguishers	PC	1