

Domestic Air-condition

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Highlights

S. No.	Topic
1	Electrical & mechanical symbols
2	Copper pipe joints
3	Refrigeration tools <ul style="list-style-type: none">✓ Application of gauge manifold✓ Determine capacity through capacitor analyzer
4	Application of refrigeration tools on electrical & mechanical parts <ul style="list-style-type: none">✓ Filing, cutting & threading of flat bar✓ Identification of Drill machine parts✓ Measurement and making of flare✓ Brass fittings assembling✓ Single and double flare assembling✓ Perform swagging with punch type tool✓ Perform Reaming on flare nut✓ Perform copper tube bending using sand✓ Perform copper tube bending using spring✓ Make copper tube soft through annealing✓ Construct copper tube✓ Cut copper tube, using side cutter✓ Perform silver soldering✓ Perform breezing, applying gas welding✓ Install flare type drier✓ Identify Compressor terminals✓ Perform oil charging through running compressor✓ Transfer gas from unit to cylinder✓ Perform oil charging through Funnal✓ Determine compressor efficiency✓ Cut compressor

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Topic

	<ul style="list-style-type: none">✓ Dismantle rotary compressor✓ Dismantle and re-fit reciprocating compressor✓ Prepare gas kit for open type compressor✓ Perform flapper valve lapping✓ Change gas kit of regurgitator✓ Apply charging station✓ Transfer refrigerant from one to another cylinder✓ Install water cooler✓ Perform self-vacuum✓ Perform Nitrogen flush✓ Install Stator in compressor✓ Install compressor✓ Change refrigerator parts✓ Verify leak through electronic detector✓ Perform service and installation of refrigerator✓ Application of Sling Psychrometer✓ dismantle & service Motor✓ Perform service
5	<p>Trouble shooting in electrical wiring.</p> <ul style="list-style-type: none">✓ Trouble shoot in electrical wiring of refrigerator✓ Applications of Testing board✓ Identify selector switch terminals✓ Application of Avo meter✓ Measure Current with tongue tester✓ Perform wiring of water cooler✓ Test thermostat✓ Test overload✓ Determine three wires coming from cabinet✓ Determine four wires coming from refrigerator✓ Install starting capacitor in the refrigerator✓ Perform Refrigerator wiring✓ Verify Timer of Non-frost refrigerator✓ Verify bi-metal of non-frost refrigerator✓ Verify thermal fuse of non-frost refrigerator✓ Change heater of non-frost refrigerator✓ Perform non-frost Refrigerator wiring✓ Change motor of non-frost refrigerator✓ Trouble shoot in non-frost refrigerator✓ Define Fan motor speed✓ Test voltage relay✓ Perform Bench wiring of refrigerator✓ Perform wiring of air conditioner✓ Trouble in wiring of air conditioner
6	<p>Disassembling of air-conditioner and perform its servicing.</p> <ul style="list-style-type: none">✓ Dismantle and re-fix air-conditioner parts✓ Install air-conditioner