

21GEN05	WORKSHOP PRACTICES	L	T	P	C
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Group A	CIVIL & MECHANICAL ENGINEERING	30 Hours			
<p>Part A: Civil Engineering:</p> <ol style="list-style-type: none"> 1. Plumbing Work: <ol style="list-style-type: none"> a. Layout of Pipe connection using PVC Pipes b. Layout of Pipe Connection using GI pipe fittings 2. Carpentry: <ol style="list-style-type: none"> a. Sawing, Planning, and Making of T-Joint b. Making of Dove Tail Joint <p>Part B: Mechanical Engineering:</p> <ol style="list-style-type: none"> 1. Welding: <ol style="list-style-type: none"> a. Butt joint, Lap joint and T Joint using Arc Welding 2. Machining: <ol style="list-style-type: none"> a. Facing b. Step Turning c. Taper Turning d. Drilling 3. Sheet Metal: <ol style="list-style-type: none"> a. Making of Funnel b. Making of Tray 					
Group B	ELECTRICAL & ELECTRONICS ENGINEERING	30 Hours			
<p>Part A: Electrical Engineering:</p> <ol style="list-style-type: none"> 1. Residential House wiring using switches, Fuse, Indicator, Lamp etc 2. Fluorescent Lamp Wiring 3. Stair Case Wiring 4. Measurement of Energy using Single Phase Energy Meter 5. Load Test on Single Phase Induction Motor <p>Part B: Electronics Engineering</p> <ol style="list-style-type: none"> 1. Introduction to Electronic Engineering <ol style="list-style-type: none"> a. Study of Electronic Components & Equipments b. Resistor Colour Coding c. Measurement of AC signal parameters using CRO 2. Study of Logic Gates (AND, OR, EX-OR, NOT) 3. Soldering Practice – Components, Devices and Circuits using general purpose PCB 4. Measurement of Ripple Factor using Half Wave Rectifier 5. Audio Amplifier using Single Transistor 					