

Govt. Polytechnic, Manesar (Gurgaon)

LESSON PLAN

Name of the Faculty : Smt Punam Kaushish (Workshop Instructor)

Discipline : Electronics & Communication Engg.

Semester : 2nd

Subject : Electronic Shop-II

Lesson Plan Duration : 15 weeks (from January, 2018 to April, 2018)

Work Load (Lecture / Practical) per week (in hours): Lecture-NIL, Practical-06

Week	Theory		Practical	
	Lecture Day	Topic (Including assignment / test)	Practical day	Topic
1 st		NOT APPLICABLE	1 st (Group 1)	Various types of protective devices such as : wire fuse, cartridge fuse etc. Job-I: Cut, bend, tin component, leads, inserts. Solder components e.g. resistor, capacitor, diodes, transistors on a PCB
			2 nd (Group 1)	Job-II: Wiring of a small circuit on a PCB/tag strip involving laying, sleeving and use of identifier tags. Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the items mentioned ahead.
			3 rd (Group 1)	a) Various types of plugs, sockets, connectors suitable for general purpose audio video use. Connectors, Banana plugs, sockets and similar male and female connectors and terminal strips. Job-III: De-soldering practice with de-soldering pump and with de-soldering wick.
	4 th (Group 1)			b) Various types of switches such as: normal/miniature toggle, slide, push button piano key, rotary, SPST, SPDT, DPST, DPDT, band selector, multi-way Master Mains Switch. Job-IV: Cut, strip, join and insulate two lengths of wires/cables (repeat with different types of cables/ wires)
2 nd			5 th (Group 2)	Various types of protective devices such as : wire fuse, cartridge fuse etc. Job-I: Cut, bend, tin component, leads, inserts. Solder components e.g. resistor, capacitor, diodes, transistors on a PCB.
3 rd				

			6 th (Group 2)	<p>Job-II: Wiring of a small circuit on a PCB/tag strip involving laying, sleeving and use of identifier tags.</p> <p>Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the items mentioned ahead.</p>
4 th		NOT APPLICABLE	7 th (Group 2)	<p>a) Various types of plugs, sockets, connectors suitable for general purpose audio video use. Connectors, Banana plugs, sockets and similar male and female connectors and terminal strips.</p> <p>Job-III: De-soldering practice with de-soldering pump and with de-soldering wick.</p>
			8 th (Group 2)	<p>b) Various types of switches such as: normal/miniature toggle, slide, push button piano key, rotary, SPST, SPDT, DPST, DPDT, band selector, multi-way Master Mains Switch.</p> <p>Job-IV: Cut, strip, join and insulate two lengths of wires/cables (repeat with different types of cables/ wires)</p>
5 th			9 th (Group 3)	<p>Various types of protective devices such as : wire fuse, cartridge fuse etc.</p> <p>Job-I: Cut, bend, tin component, leads, inserts. Solder components e.g. resistor, capacitor, diodes, transistors on a PCB</p>
			10 th (Group 3)	<p>Job-II: Wiring of a small circuit on a PCB/tag strip involving laying, sleeving and use of identifier tags.</p> <p>Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the items mentioned ahead.</p>
6 th			11 th (Group 3)	<p>a) Various types of plugs, sockets, connectors suitable for general purpose audio video use. Connectors, Banana plugs, sockets and similar male and female connectors and terminal strips.</p> <p>Job-III: De-soldering practice with de-soldering pump and with de-soldering wick.</p>
			12 th (Group 3)	<p>b) Various types of switches such as: normal/miniature toggle, slide, push button piano key, rotary, SPST, SPDT, DPST, DPDT, band selector, multi-way Master Mains Switch.</p> <p>Job-IV: Cut, strip, join and insulate two lengths of wires/cables (repeat with different types of cables/ wires)</p>

7 th		NOT APPLICABLE	13 th (Group 4)	Various types of protective devices such as : wire fuse, cartridge fuse etc. Job-I: Cut, bend, tin component, leads, inserts. Solder components e.g. resistor, capacitor, diodes, transistors on a PCB
			14 th (Group 4)	Job-II: Wiring of a small circuit on a PCB/tag strip involving laying, sleeving and use of identifier tags Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the items mentioned ahead.
8 th			15 th (Group 4)	a) Various types of plugs, sockets, connectors suitable for general purpose audio video use. Connectors, Banana plugs, sockets and similar male and female connectors and terminal strips. Job-III: De-soldering practice with de-soldering pump and with de-soldering wick.
			16 th (Group 4)	b) Various types of switches such as: normal/miniature toggle, slide, push button piano key, rotary, SPST, SPDT, DPST, DPDT, band selector, multi-way Master Mains Switch. Job-IV: Cut, strip, join and insulate two lengths of wires/cables (repeat with different types of cables/ wires)
9 th			17 th (Group 5)	Various types of protective devices such as : wire fuse, cartridge fuse etc. Job-I: Cut, bend, tin component, leads, inserts. Solder components e.g. resistor, capacitor, diodes, transistors on a PCB
			18 th (Group 5)	Job-II: Wiring of a small circuit on a PCB/tag strip involving laying, sleeving and use of identifier tags Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the items mentioned ahead.
10 th			19 th (Group 5)	a) Various types of plugs, sockets, connectors suitable for general purpose audio video use. Connectors, Banana plugs, sockets and similar male and female connectors and terminal strips. Job-III: De-soldering practice with de-soldering pump and with de-soldering wick.

		NOT APPLICABLE	20 th (Group 5)	b) Various types of switches such as: normal/miniature toggle, slide, push button piano key, rotary, SPST, SPDT, DPST, DPDT, band selector, multi-way Master Mains Switch. Job-IV: Cut, strip, join and insulate two lengths of wires/cables (repeat with different types of cables/ wires)
11 th			21 st (Group 1)	Revision , file checking & Viva
			22 nd (Group 1)	Revision , file checking & Viva
12 th			23 rd (Group 2)	Revision , file checking & Viva
			24 th (Group 2)	Revision , file checking & Viva
13 th			25 th (Group 3)	Revision , file checking & Viva
			26 th (Group 3)	Revision , file checking & Viva
14 th			27 th (Group 4)	Revision , file checking & Viva
			28 th (Group 4)	Revision , file checking & Viva
15 th			29 th (Group 5)	Revision , file checking & Viva
			30 th (Group 5)	Revision , file checking & Viva