

## Lesson Plan for 1st Year started w.e.f 09.01.2019

### Govt Polytechnic Manesar

**Name of the Teacher with Designation** : Mrs Punam Kaushish - W/I

**Discipline** : ECE

**Semester** : 2nd Semester

**Subject** : GWP-II (Electronics Shop)

**Lesson Plan Duration** : 15 weeks (From January,2019 to April,2019)

**Work Load ( Lecture / Practical ) per week ( In hours ) : Lectures : Nil , Practicals : 06**

Week	Theory		Practical	
	Lecture Day	Topic (Including Assignment / Test)	Practical Day	Topic
1 <sup>st</sup>			1 <sup>st</sup>	<b>EXPERIMENT No. 1</b> Various types of protective devices such as: wire fuse, cartridge fuse etc.
			2 <sup>nd</sup>	<b>Job - 1</b> Cut bend, tin component, leads inserts, solder components e.g. resistor, capacitor, diodes, transistors on a PCB.
2 <sup>nd</sup>			3 <sup>rd</sup>	<b>EXPERIMENT No. 1</b> Various types of protective devices such as: wire fuse, cartridge fuse etc.
			4 <sup>th</sup>	<b>Job - 1</b> Cut bend, tin component, leads inserts, solder components e.g. resistor, capacitor, diodes, transistors on a PCB.
3 <sup>rd</sup>			5 <sup>th</sup>	<b>EXPERIMENT No. 1</b> Various types of protective devices such as: wire fuse, cartridge fuse etc.
			6 <sup>th</sup>	<b>Job - 1</b> Cut bend, tin component, leads inserts, solder components e.g. resistor, capacitor, diodes, transistors on a PCB.
4 <sup>th</sup>			7 <sup>th</sup>	<b>EXPRIMENT No. 2.2 (A)</b> Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the of items various types of plug, sockets, connectors, suitable for general purpose audio video use. Connector, banana plugs, sockets and similar male and Female connectors and terminal strips.
			8 <sup>th</sup>	<b>Job - 2</b> Wiring of a small circuit on a PCB / tag strip involving laying, Sleeving, and use of identifier tags.
5 <sup>th</sup>			9 <sup>th</sup>	<b>EXPERIMENT No. 2.2 (A)</b> Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the of items various types of plug, sockets, connectors, suitable for general purpose audio video use. Connector, banana plugs, sockets and similar male and Female connectors and terminal strips.
			10 <sup>th</sup>	<b>Job - 2</b> Wiring of a small circuit on a PCB / tag strip involving laying, Sleeving, and use of identifier tags.
6 <sup>th</sup>			11 <sup>th</sup>	<b>EXPERIMENT No. 2.2 (A)</b> Demonstrate the joining (or connecting) methods/mounting and dismantling method, as well as uses of the of items various types of plug, sockets, connectors, suitable for general purpose audio video use. Connector, banana plugs, sockets and similar male and Female connectors and terminal strips.
			12 <sup>th</sup>	<b>Job - 2</b> Wiring of a small circuit on a PCB / tag strip involving laying, Sleeving, and use of identifier tags.
7 <sup>th</sup>			13 <sup>th</sup>	<b>EXPRIMENT - 2.2 (B)</b> Demonstrate the joining (or connecting) methods / mounting and dismantling method, as well as uses of the of items various types of switches such as : normal /miniature toggle, slide, pushbutton, piano key, rotary, SPST,SPDT,DPST,DPDT, Band selector, multi-way master mains switch.
			14 <sup>th</sup>	<b>Job - 3</b> De-soldering practice with de-soldering pump and with de-soldering wick.
8 <sup>th</sup>			15 <sup>th</sup>	<b>EXPERIMENT - 2.2 (B)</b> Demonstrate the joining (or connecting) methods / mounting and dismantling method, as well as uses of the of items various types of switches such as : normal /miniature toggle, slide, pushbutton, piano key, rotary, SPST,SPDT,DPST,DPDT, Band selector, multi-way master mains switch.
			16 <sup>th</sup>	<b>Job - 3</b> De-soldering practice with de-soldering pump and with de-soldering wick.
9 <sup>th</sup>			17 <sup>th</sup>	<b>EXPERIMENT - 2.2 (B)</b> Demonstrate the joining (or connecting) methods / mounting and dismantling method, as well as uses of the of items various types of switches such as : normal /miniature toggle, slide, pushbutton, piano key, rotary, SPST,SPDT,DPST,DPDT, Band selector, multi-way master mains switch.
			18 <sup>th</sup>	<b>Job - 3</b> De-soldering practice with de-soldering pump and with de-soldering wick.
10 <sup>th</sup>			19 <sup>th</sup>	<b>Job - 4</b> Cut, strip, join and insulate two lengths of wire / cables (repeat with different types of cables / wires).
			20 <sup>th</sup>	<b>Job - 4</b> Cut, strip, join and insulate two lengths of wire / cables (repeat with different types of cables / wires).
11 <sup>th</sup>			21 <sup>st</sup>	<b>Job - 4</b> Cut, strip, join and insulate two lengths of wire / cables (repeat with different types of cables / wires).
			22 <sup>nd</sup>	<b>Job - 4</b> Cut, strip, join and insulate two lengths of wire / cables (repeat with different types of cables / wires).
12 <sup>th</sup>			23 <sup>rd</sup>	<b>Job - 4</b> Cut, strip, join and insulate two lengths of wire / cables (repeat with different types of cables / wires).
			24 <sup>th</sup>	<b>Job - 4</b> Cut, strip, join and insulate two lengths of wire / cables (repeat with different types of cables / wires).
13 <sup>th</sup>			25 <sup>th</sup>	<b>(Revision)</b> Job No.1 , Job No.2 , Job No. 3 and Job No. 4
			26 <sup>th</sup>	<b>(Revision)</b> Job No.1 , Job No.2 , Job No. 3 and Job No. 4
14 <sup>th</sup>			27 <sup>th</sup>	<b>(Revision)</b> Job No.1 , Job No.2 , Job No. 3 and Job No. 4
			28 <sup>th</sup>	<b>(Revision)</b> Job No.1 , Job No.2 , Job No. 3 and Job No. 4
15 <sup>th</sup>			29 <sup>th</sup>	<b>(Revision)</b> Job No.1 , Job No.2 , Job No. 3 and Job No. 4
			30 <sup>th</sup>	<b>(Revision)</b> Job No.1 , Job No.2 , Job No. 3 and Job No. 4

Not Applicable