



Government Girls' Polytechnic, Bilaspur

Name of the Lab: **Electronics Lab**

Practical: **Electronics Workshop Lab**

Class : **I Semester (ET&T) , III Semester (CSE)**

FOR ET&T

Teachers Assessment: 50 End Semester Examination:50

FOR CS

Teachers Assessment: 20 End Semester Examination:40

List of Experiments

1. Identify the various types of Resistors and find out the values from color bands printed on them.
2. Find out the value of a resistance with the help of color-bands & by use of multimeter and observe the difference in values.
3. Identify the various types of Capacitors and find out the values using color codes printed on them.
4. Identify the type of Components and find out the values using L-C-R meter.
5. Identify the terminals of a Diode and its Polarity.
6. Identify the terminals of a Transistor and its type (N-P-N or P-N-P).
7. Check the continuity of a printed line on a PCB using multi-meter.
8. Identify the various tools & write down their uses.
9. Identify the various type of connector used in various Gadgets & Instruments/ Equipments.
10. Identify the various types of Copper-Clads and write down their applications.
11. Draft a design lay-out for a FW-Rectifier (On Paper/Graph) using Pen/ Pencil/ Drafting Aid.
12. Solder the joint connection of wires and check it. De-solder and Re-solder it.