



कार्यालय प्राचार्य
स्व. डारन बाई तारम शासकीय महाविद्यालय गुरुर



जिला – बालोद, छ.ग, भारत
(हेमचंद यादव विश्वविद्यालय दुर्ग, छत्तीसगढ़, भारत से संबद्ध)

Ph No : 07749 – 265461

Email : gururgovernmentcollege@gmail.com

Website : gcgurur.org.in

Department of Physics

Session 2023 – 24

List of Physics Practical [Program – B.Sc. (PCM), Year – 03rd Year]

S.No.	Object of Practical
01	To determine Plank's Constant using electric panel.
02	To determine the value of specific charge (e/m) of an electron by Thomson method.
03	Study of spectra of Hydrogen and determine Rydberg constant with the help of Plane Grating.
04	Absorption spectrum of iodine vapour.
05	To determine the Energy gap of a semiconductor using a junction diode (Si/Ge).
06	Characteristics of Transistor.
07	Characteristics of PN Junction Diode.
08	Characteristics of ZENER Diode.
09	Characteristics of LED.
10	Characteristics of Tunnel Diode.
11	Study of regulated and unregulated Power Supply.
12	Characteristics of Field Effect Transistor (FET).
13	To study the growth and decay of current in L-R circuit.
14	To verify the Superposition theorem.
15	To verify the Thevenin's Theorem.
16	To verify the Maximum power transfer theorem.
17	To verify the Stefan's law of radiation by using an incandescent lamp.
18	Study of basic gates : AND, OR and NOT gates.
19	To study the Universal gates and make basic gates from them.
20	To Write a Program to calculate the product of two 2x2 matrices.
21	To write a program to find out roots of a quadratic equation.
22	To write a program for cosine series.
23	To write a program for sin series.

H. O. D.
Department of Physics
Government College Gurur
Dist. Balod (C.G.)