



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 2025 – 26

List of Physics Practical

[Program – B.Sc. (PCM), Year – 03rd Year]

S.No.	Object of Practical
01	To study IV characteristics of p-n junction diode and LED.
02	To study the characteristics of pnp and npn transistor in CB configuration.
03	To study the characteristics of pnp and npn transistor in CE configuration.
04	To study regulated power supply and determination of ripple factor and voltage regulation factor.
05	To design and verify the truth table of AND, OR, NOT, X-AND, X-OR gates.
06	To determine Boltzmann constant using I-V characteristics of p-n diode.
07	To determine Planck's constant using LEDs of at least four different colours.
08	To determine the Hall coefficient of a semiconductor sample.
09	To study the photo electric effect by drawing photo current versus intensity curve and to determine the wavelength of light.
10	To determine the Energy gap of a semiconductor using a junction diode (Si/Ge).
11	Characteristics of Tunnel Diode.
12	To study Half adder, Full adder and 4-bit binary adder.
13	Study of adder, subtractor using full adder IC.
14	To minimize a given logic circuit.


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