

# शासकीय महाविद्यालय गुरुर, जिला – बालोद, छ.ग.

## भौतिकशास्त्र विभाग

B.Sc. 01<sup>st</sup> Year, Session 2023 – 24

### List of Posters

S.No	Poster for	Name of Student	Submission Date
01	Gravitational Potential due to Spherical Body	Anurag	
02	Motion under Central Force and Kepler's Law	Bharti	
03	Conservation of Linear and Angular Momentum	Bhemraj Sonbhadra	
04	Centre of Mass and various Conditions	Bhumika	
05	Collision, its type and examples	Devshri	
06	Types of Simple Harmonic Oscillators	Dhanjay	
07	Lissajous Figures	Duleshwari	
08	Hooke's Law and Elasticity	Dumeshwar Sahu	
09	Cantilever	Durgesh Nandani	
10	Barton's Apparatus	Geetika Sahu	
11	Modulus of Rigidity by Maxwerll's Needle	Himanshu	
12	Yong's Modulus, Modulus of Rigidity and Poisson's Ratio by Searle's Method	Indrajeet	
13	Bernoulli's Theorem and its Applications	Jaya	
14	Coefficient of Viscosity of Liquid by Poiseuille's Method	Jiteshwari	
15	Coefficient of Viscosity of Liquid by Variable Pressure Method	Kamalnarayan	
16	Capillarity	Kavita	
17	Surface Tension by Jaeger's Method	Keshlata	
18	Electromagnetic Wave	Khileshwari	
19	Fleming's Hand Rules, Lenz's Law, Right hand Palm Law, Right hand Screw law	Lalima	
20	Ampere's Circuital Law and its Applications	Leena Sahu	
21	Biot-Savart Law and its Applications	Lokeshwari Sahu	
22	Torque on a Current loop in a magnetic field	Lomesh Kumar	
23	Different Types of A.C. Circuits	Lomesh Kumar Sinha	
24	Dielectric Materials	Manisha Sinha	
25	Capacitor and its types	Mausam Yadu	
26	Gauss's Law and its applications	Mayank Kumar	
27	Electric Line of Force	Meheshwar Sinha	
28	Differential and Integral Formula	Moneshwar Sahu	
29	Earth Atmosphere	Monika	
30	Divergence of a Vector Field	Mukesh Kumar	
31	Gradient of a Scalar Field	Nisharani Burra	
32	Curl of a Vector Field	Purnima	
33	Moment of Inertia, Theorem, Moment of Inertia for some regular and uniform Bodies	Reena	
34	Screw Gauge	Reshma Thakur	
35	Venire Caliper	Ruchi Patel	
36	Simple and Compound Pendulum	Tikeshwari	
37	Forced Pendulum	Tripti	
38	Wavelength range of Electromagnetic Waves	Ugeshwar	
39	Molecular Spectra	Vartika Sinha	
40	Bohr's Atomic Model	Ved Prakash	
41	Instruction for Physics Lab use	Vikas Kumar	

**This poster submission is compulsory for all students.**

(Mr. L. Hirwani, HOD, Physics Department)

**શાસકીય મહાવિદ્યાલય ગુરુર, જિલા – બાલોદ, છ.ગ.**

**ભૌતિકશાસ્ત્ર વિભાગ**

**B.Sc. 02<sup>nd</sup> Year, Session 2023 – 24**

**List of Posters**

<b>S.No</b>	<b>Poster</b>	<b>Name of Student</b>	<b>Submission Date</b>
01	Laser, Laser Action, Population Inversion and Optical Pumping	Chetna	
02	Ruby Laser, He-Ne Laser, Chemical Laser and Semiconductor Laser	Deepak Kumar	
03	Polarization of Light	Deepika	
04	Diffraction Grating	Faleshwari	
05	Fraunhofer Diffraction at a Single Slit	Kamini	
06	Half Period Zone Plate	Karina	
07	Fresnel's Half Period Zone	Kavita	
08	Twyman-Green Interferometer	Lokeshwari	
09	Newton's Rings	Minakshi	
10	Different kinds of Eye Pieces	Nandani	
11	Cardinal Points of an Optical System	Pankaj Kumar	
12	Different Type of Quantum Statistics	Pushplata	
13	Black Body Radiation	Raiyant Kumar	
14	Compare between Thermal Radiation and Light	Reena Kumari	
15	Transport Phenomenon in Gases	Sheetal Sahu	
16	Maxwell's Boltzman's Speed wise Distribution Law	Sushama	
17	Maxwell's Boltzman's Velocity wise Distribution Law	Trayambika Dhurve	
18	Cooling by Adiabatic Demagnetization	Umend Kumar	
19	Clausius-Clapeyron Latent Heat Equation and Joule-Thomson Effect	Urwashi Sahu	
20	Thermodynamic Laws, Potentials and Maxwell's Equations	Vandana	
21	Heat Engine and Carnot's Engine	Vandana Sahu	
22	Sonar System	Yamanee / Jitendra Kumar	
23	Aberration in Lens System	Yamini / Jagat Ram	

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**(Mr. L. Hirwani, HOD, Physics Department)**

**શાસકીય મહાવિદ્યાલય ગુરુર, જિલા – બાલોદ, છ.ગ.**

**ભૌતિકશાસ્ત્ર વિભાગ**

**B.Sc. 03<sup>rd</sup> Year, Session 2023 – 24**

**List of Posters**

S.No	Poster	Name of Student	Submission Date
01	Compton Effect and Doppler Effect	Aditi	
02	Black Body Radiation	Amit Kumar	
03	Wave Velocity and Group Velocity	Bhovesh Kumar	
04	Spectra of Hydrogen Atom	Chanchal	
05	Spectra of Alkali Metal Atoms	Devvrat	
06	Raman Effect and Raman Spectroscopy	Divya	
07	Nuclear Detectors	Durgesh	
08	Nuclear Fission and Fusion	Hema Sahu	
09	Kinds of Lattices – Bravais Lattices	Jitendra Kumar	
10	Structure of Diamand, NaCl, CsCl and CaF <sub>2</sub>	Kavita	
11	Bragg's Law	Keshant Kumar	
12	Classification of Substances – Diamagnetic, Paramagnetic and Ferromagnetic Substances	Khushboo Yadav	
13	Hall Effect	Lalineee	
14	P-N Junction and P-N Junction Diode	Mamta Sahu	
15	Types of Diode	Mohnish Kumar	
16	PNP and NPN Transistors	Narayani	
17	Half-wave and Full-wave Rectifiers	Padma	
18	Types of Filters	Priya	
19	FET	Priyanka	
20	Amplifier and types of amplifiers	Rahul Kumar	
21	Basic Logic Gates	Rohineeka	
22	Universal Logic Gates	Roshani	
23	Boolean Algebra and De-Morgan's Theorem	Sahil Kumar	
24	Power Supply	Saraswati	
25	Solar Cell	Shivam Manikpuri	
26	Intrinsic and Extrinsic Semiconductors	Soniya	
27	Transistor in CB,CE and CC based	Sunita	
28	Michelson-Morley's experiment	Tomeshwar	
29	Bridge Rectifier	Tripti	
30	Electronic Symbols	Urwashi	

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**(Mr. L. Hirwani, HOD, Physics Department)**