ABES INSTITUTE OF TECHNOLOGY, GHAZIABAD

Department of Applied Sciences and Humanities

Lab Assessment Record

Academic Year	Year/ Semester	Course Name	Course Code	NBA Code
2024 - 2025	First / First	Engineering Physics Lab	BAS151	C111

Name of Student: _____ **Add. No:** _____

S. No.	Experiment No.	Date of Conduction	Date of evaluation	Attendance (10)	Lab Record (10)	Progressive Performance (20)	Viva Voce (10)	Total (50)	Signature of Evaluator
1									
2									
3									
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10									

Exp. No.	Name of Experiment	Exp. No.	Name of Experiment
1	To determine the wavelength of sodium light by Newton's ring experiment.	6	To study Hall effect and determine Hall coefficient carrier density and mobility of a given semiconductor material using Hall effect setup.
2	To determine the focal length of the combination of two lenses separated by a distance and verify the formula for the focal length of combination of lenses	7	To verify Stefan's law by electric method.
3	To determine the wavelength of different spectral lines of mercury light using plane transmission grating.	8	To determine the electrochemical equivalent (ECE) of copper.
4	To determine resistance per unit length and specific resistance of a given resistance using Carey Foster's Bridge.	9	To determine the variation of magnetic field with the distance along the axis of a current carrying coil and estimate the radius of the coil.
5	To determine the energy band gap of a given semiconductor material.	10	To determine the wavelength of He-Ne laser light using single slit diffraction/diffraction grating.

Final Assessment (Internal)

Attendance (10)	Lab Record (10)	Performance (20)	Viva (10)	Total (50)

Signature of Faculty