



कार्यालय प्राचार्य
स्व. डारन बाई तारम शासकीय महाविद्यालय गुरुर
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Department of Physics

Session 2024 – 25

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 | To determine the Energy gap of a semiconductor using a junction diode (Si/Ge). |
| 05 | To study the characteristics curves of PNP transistor in CB mode. |
| 06 | To study the characteristics curves of NPN transistor in CB mode. |
| 07 | To study the characteristics curves of PNP transistor in CE mode. |
| 08 | To study the characteristics curves of NPN transistor in CE mode. |
| 09 | Characteristics of PN Junction Diode. |
| 10 | Characteristics of ZENER Diode. |
| 11 | Characteristics of LED. |
| 12 | Characteristics of Tunnel Diode. |
| 13 | Study of regulated and unregulated Power Supply. |
| 14 | Characteristics of Field Effect Transistor (FET). |
| 15 | To verify the Superposition theorem. |
| 16 | To verify the Thevenin's Theorem. |
| 17 | To verify the Maximum power transfer theorem. |
| 18 | To verify the Stefan's law of radiation by using an incandescent lamp. |
| 19 | Study of basic Gates: AND, OR and NOT gates. |


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