



कार्यालय प्राचार्य  
स्व. डारन बाई तारम शासकीय महाविद्यालय गुरुर

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## *Physics Practical*

### **B.Sc. 2<sup>nd</sup> Semester**

01. To compare capacitance using De' Sauty's bridge. [\(Simulation\)](#)
02. Measurement of field strength  $b$  and its variation in a solenoid determine. [\(Simulation\)](#)
03. To study the characteristics of a series RC circuit. [\(Simulation\)](#)
04. To study a series LCR circuit and determine its resonant frequency and quality factor. [\(Simulation\)](#)
05. To Study a parallel LCR circuit and determine its (a) Anti-resonant frequency and (b) Quality Factor  $Q$ . [\(Simulation\)](#)
06. To Determine a Low Resistance by Carey Foster's Bridge. [\(Simulation\)](#)
07. To verify the Thevenin Theorem. [\(Simulation\)](#)
08. To verify the Norton Theorem. [\(Simulation\)](#)
09. To verify the superposition Theorem. [\(Simulation\)](#)
10. To verify the Maximum Power Transfer Theorem. [\(Simulation\)](#)
11. To use a vibration magnetometer and study magnetic field. [\(Simulation\)](#)
12. Study of magnetic field due to a current loop. [\(Simulation\)](#)
13. Study of magnetic fields using Deflection Magnetometer. [\(Simulation\)](#)
14. **Mini Project:** Construction and Study of Solenoid and measurement of its magnetic field. [\(Simulation\)](#)

Circuit Construction Kit- AC <a href="#">(Simulation)</a>	Circuit Construction Kit- AC <a href="#">(Simulation)</a>	Circuit Construction Kit- DC <a href="#">(Simulation)</a>
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Assistant Professor (Physics)

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