

Department of Nanoscience & Advanced Materials  
Saurashtra University, Rajkot.

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B.Sc./M.Sc. Applied Physics (Integrated) Semester – VIII  
(Academic Year 2019 – 20)

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## **LIST OF PRACTICALS**

- (1) To study the Hysteresis loop for a given ferromagnetic material.
- (2) To study the temperature dependence of Hall coefficient ( $R_H$ ).
- (3) To study and verify digital to binary convertor using op-amp.
- (4) To study characteristics of TRIAC.
- (5) To study class B push/pull amplifier.
- (6) To determine mass susceptibility of a given paramagnetic liquid by Quincke's Method.
- (7) To study data analysis using Origin software.
- (8) To study data analysis using Powder X software.