

SARDAR PATEL UNIVERSITY
Programme: B.Sc (Physics)
Semester: V
Syllabus with effect from: June-2013

Paper Code: US05CPHY07	Total Credit: 2
Title Of Paper: Physics Practical (General Physics, Electricity, Magnetism and Transducers)	

	Description in detail	
List Of Practicals		
1	Hall effect(constant magnetic field)	
2	Capacitance by de Sauty's method	
3	Phase angle by C. R. O	
4	Constants of ballistic galvanometer	
5	Low resistance by ballistic galvanometer	
6	Four probe method	
7	Hysteresis curve	
8	Young's modulus by Searl's method	
9	Resonance pendulum	
10	Strain gauge characteristics	

Note: To provide flexibility up to the maximum of 20% of total experiments can be replaced/ added to the list by the board of studies.

Basic Text & Reference Books :-

- Advanced Practical Physics for students
B L Wosnop and H T Flint, Methuen and Co. Ltd., London
B.Sc. Practical Physics
- C L Arora, S.Chand & Co. Ltd., New Delhi
Advanced Practical Physics
M S Chauhan and S P Singh, Pragati Prakashan, Meerut
- Advanced Practical Physics
S L Gupta and V Kumar, Pragati Prakashan, Meerut
- An advanced course in practical Physics
D Chattopadhyay and P C Rakshit, New Central book agency Pvt. Ltd.

