

Annexure - A

Instrument list for Honours/Gen course

Mechanics

Sl No.	Name of Experiment	Apparatus or Accessories (A complete Set up/ Digital Trainer Kit/else as the case may be)	Units Required
1	To determine the height of a building using a Sextant	A complete setup with all accessories	2
2	To study the Motion of Spring and calculate, (a) Spring constant, (b) g and (c) Modulus of rigidity.	A complete setup with all accessories	2
3	To determine Coefficient of Viscosity of water by Capillary Flow Method (Poiseuille's method).	A complete setup with all accessories	2
4	To determine the Young's modulus of the material of a wire by Searle's method	A complete setup with all accessories	1
5	To determine the value of g using Bar Pendulum	A complete setup with all accessories	2

Electricity and Magnetism (Practical)

Sl No.	Name of Experiment	Apparatus or Accessories (A complete Set up/ Digital Trainer Kit/else as the case may be)	Units Required
1	To determine the resistance of a galvanometer using Thomson's method.	A complete setup with all accessories	1
2	To study the response curve of a parallel LCR circuit and determine its (a) Anti- resonant frequency and (b) Quality factor Q	A complete setup with all accessories	2
3	To determine the frequency of an electric tuning fork by Melde's experiment and verify $\lambda^2 - T$ law.	A complete setup with all accessories	2
4	To compare capacitances using De'Sauty's bridge.	A complete setup with all accessories	2
5	Measurement of charge and current sensitivity and CDR of Ballistic Galvanometer	A complete setup with all accessories	1
6	To determine a Low Resistance by Carey Foster's Bridge	A complete setup with all accessories	2