

Practical Manuals: B.Sc.-I

Semester-I		
Sr. No	Name of Experiment	Link
1	To determine acceleration due to gravity by compound pendulum.	https://drive.google.com/file/d/1mRjgCD4I5dII1AxOv0DYHizQAxtCpArS/view?usp=sharing
2	To determine the M.I. of a Flywheel about its own axis of rotation.	https://drive.google.com/file/d/1fYhe27DhyBMqugb-TB-O5dNiz6ORNfCU/view?usp=sharing
3	To determine modulus of rigidity of the material of wire by Maxwell needle.	https://drive.google.com/file/d/1rWo7ROI8fISMpGM9MzGAM5i-Xr7Csnqa/view?usp=sharing
4	To determine modulus of rigidity of material of wire by Torsional pendulum.	https://drive.google.com/file/d/1j3tw5Nse3SnrT9v5r7oEZ6WJHf5JFQH_/view?usp=sharing
5	To determine surface tension of a liquid by Jaeger's method.	https://drive.google.com/file/d/1egl3ACRhoT0hCijp8bz5W0Iamsw79OKR/view?usp=sharing
6	To determine Young's modulus of elasticity of material of beam by bending method.	https://drive.google.com/file/d/1EiW_JvntRt2aBdj_Jvys16B5nzs4V4cB/view?usp=sharing
7	To determine M.I. of rectangular body by Bifilar suspension (Bifilar Pendulum)	https://drive.google.com/file/d/1Qgii5rQ7NVanJYhhNvwhMxew_DDnnnO9/view?usp=sharing
8	To determine Young's modulus of the material of a beam by method of vibration.	https://drive.google.com/file/d/1n3LGiVU9KKsBl606mfHMMue-GAdkuxsO/view?usp=sharing
9	To determine surface tension by Quincke's method.	https://drive.google.com/file/d/1jWaPwqOE0xzF1Wj2XRC-WW599SUUk9-/view?usp=sharing

Semester-II		
Sr. No	Name of Experiment	Link
1	Measurement of capacitance C by three voltage method.	https://drive.google.com/file/d/1Y3XNOFgXlGQI0TzS3goalG1asDJuviXk/view?usp=sharing
2	Measurement of inductance L by three voltage method.	https://drive.google.com/file/d/1iEkNwNq_RcboMt_1xmAFixtZ9meOyW1/view?usp=sharing
3	Verification of Kirchoffs laws	https://drive.google.com/file/d/1oqLWhRJIxQbB11cCOMT0TgoWjY5OdeMp/view?usp=sharing
4	Study of frequency response of series LCR circuit & determination of Q factor.	https://drive.google.com/file/d/1jUkp33Mp-aTm-lyfilZHOPNfn2lwgZFC/view?usp=sharing
5	To determine low resistance by Carry Fosters Bridge.	https://drive.google.com/file/d/1rCVL-hZrajO6a2INSK8MFGTk8v0EeSpI/view?usp=sharing
6	To verify maximum power transfer theorem.	https://drive.google.com/file/d/1yz47Lae_9T8BKqXUirkExYLE_3qpqMCC/view?usp=sharing
7	To verify Norton's theorem.	https://drive.google.com/file/d/1rojCR_LDX06rFW-kKeH9kTPtbQ0X68LG/view?usp=sharing
8	To verify Thevenin's theorem.	https://drive.google.com/file/d/1Oef_CY4I46g4zwrORSkDyoNsRoQaYfFy/view?usp=sharing
9	Study of transformer	https://drive.google.com/file/d/1sqKpyp0ot4TLlyrnX1cIiFF53_x8k6vu/view?usp=sharing

Practical Manuals: B.Sc.-II

Semester-III		
Sr. No	Name of Experiment	Link
1	To determine characteristics of CB transistor.	https://drive.google.com/file/d/1dWkjjzODtaO2FQyObvOmf2x0Nmcln6Y1P/view?usp=sharing
2	To determine characteristics of CE transistor.	https://drive.google.com/file/d/1JfmHdzzEAEy-ykwzcP4MNMKu-vZT-4OxK/view?usp=sharing
3	To determine characteristics of FET	https://drive.google.com/file/d/1uhLDXG5WcCCn1-OB2xr7p29qLfypFXNI/view?usp=sharing
4	To study characteristics of a phototransistor & hence verify inverse square law.	https://drive.google.com/file/d/1F2zz_KjZ8LHRsWcvkRfxFidK2bnBBejg/view?usp=sharing
5	To study semiconductor diode characteristics.	https://drive.google.com/file/d/1Yt4tKD9WH1Zd9JUHNq_L1TuzrMaGL8fW/view?usp=sharing
6	To study center tap full wave rectifier using PN junction diode.	https://drive.google.com/file/d/1INObThVPg63nwRkOK-EJAiKPbtwZqDgb/view?usp=sharing
7	To study half wave rectifier using PN junction diode.	https://drive.google.com/file/d/1JPMP59irXiTUI8SWIF_u2oJK8RIh0v5V/view?usp=sharing
8	To study Zener regulated power supply.	https://drive.google.com/file/d/1sqKpyp0ot4TLlyrnX1cliFF53_x8k6vu/view?usp=sharing

Semester-IV		
Sr. No	Name of Experiment	Link
1	To determine frequency of A.C. mains by sonometer.	https://drive.google.com/file/d/1efWflQplfc_I5RwowmsUaxyFCTb1INCV/view?usp=sharing
2	To determine wavelength of monochromatic light by Newton's rings.	https://drive.google.com/file/d/1uuD6zjWaQeyq1MTjhsJASYAW7mJ8eUuQ/view?usp=sharing
3	To determine resolving power of telescope.	https://drive.google.com/file/d/15xdyiAT5U5MEGKOC9sf6vX2Xw7CG_pPK/view?usp=sharing
4	To determine the wavelength of LASER light by using a diffracting grating.	https://drive.google.com/file/d/15bvd8mr-QZd0GJzwKaq3DVJ9PuLho6-D/view?usp=sharing
5	To find number of lines per centimeter of the given grating by spectrometer.	https://drive.google.com/file/d/1Ejgqf6WsY7w_RfnVz4O1NSsv4bilxe2/view?usp=sharing
6	To verify Stefan's law of radiation by using an incandescent lamp.	https://drive.google.com/file/d/1M1qqPhgWWzDB1HKe1XBxuOMIa1XegemX/view?usp=sharing
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Practical Manuals: B.Sc.-III

Semester-V		
Sr. No	Name of Experiment	Link
1	To study I-V characteristics of Light Emitting Diode (LED)	https://drive.google.com/file/d/12wRS2vD6-1oTggc8djXzpTiTrn0gnRZi/view?usp=sharing
2	To determine Planck's constant using Light Emitting Diodes (LED's)	https://drive.google.com/file/d/14Fn_Q5oIJEWHZsbt0p_ewxUUs1Wzvhzx/view?usp=sharing
3	To study the Collpits oscillator.	https://drive.google.com/file/d/1_spmmsE5SCHG28d-1OJJOJY2wXU5KXOV/view?usp=sharing
4	To study the Hartley oscillator.	https://drive.google.com/file/d/18TaJU9QzG4KVeeW0w9h6rmJANPaV_U56/view?usp=sharing
5	To determine h parameter characteristics of CE transistor.	https://drive.google.com/file/d/1cJkGJFpCIMpN70HOAnmyfhqZmO8gE2LO/view?usp=sharing
6	To study characteristics of a Zener diode.	https://drive.google.com/file/d/10OX_pjbRF3Pc_hHOY4f6Vz83iJaj8OYF/view?usp=sharing
7	To identify the element from line emission spectra.	https://drive.google.com/file/d/10hSROPIkxCy4uQ--Yg86qfL11w7bcbZn/view?usp=sharing

Semester-VI		
Sr. No	Name of Experiment	Link
1	To study characteristics of photocell.	https://drive.google.com/file/d/1bq2a0zOLBwrxEK7BZHmP4JgNbcjkzqzv/view?usp=sharing
2	To determine the energy band gap of semiconductor using a junction diode in reverse bias mode.	https://drive.google.com/file/d/1mh2dis7hCP-H-Gf8Z7aAEV-9fZVOuabe/view?usp=sharing
3	To determine the energy band gap of Thermister.	https://drive.google.com/file/d/1EiYzOEca3qQIhJHyHNLJOWAjOh8BmJ2L/view?usp=sharing
4	To determine hysteresis loss of a transformer core by C.R.O.	https://drive.google.com/file/d/1OqPWYPrENZSZwdPH0ip4loi3uzeG9TII/view?usp=sharing
5	To determine Planks constant by using photo cell.	https://drive.google.com/file/d/1K2os0pkBPf7maxt6hrgaT-AMonWG-a7m/view?usp=sharing
6	To determine the lattice parameter 'a' of the unit cell by analyzing an X-ray powder photograph.	https://drive.google.com/file/d/1qikDxUI_Csqxs-J4Sn9jE9MiPNHkdzEE/view?usp=sharing
7	To study Zener regulated power supply.	https://drive.google.com/file/d/1InSiaPsvmFj8Az3A9FTEB9xPZMZ6Kvir/view?usp=sharing