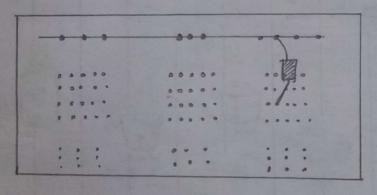


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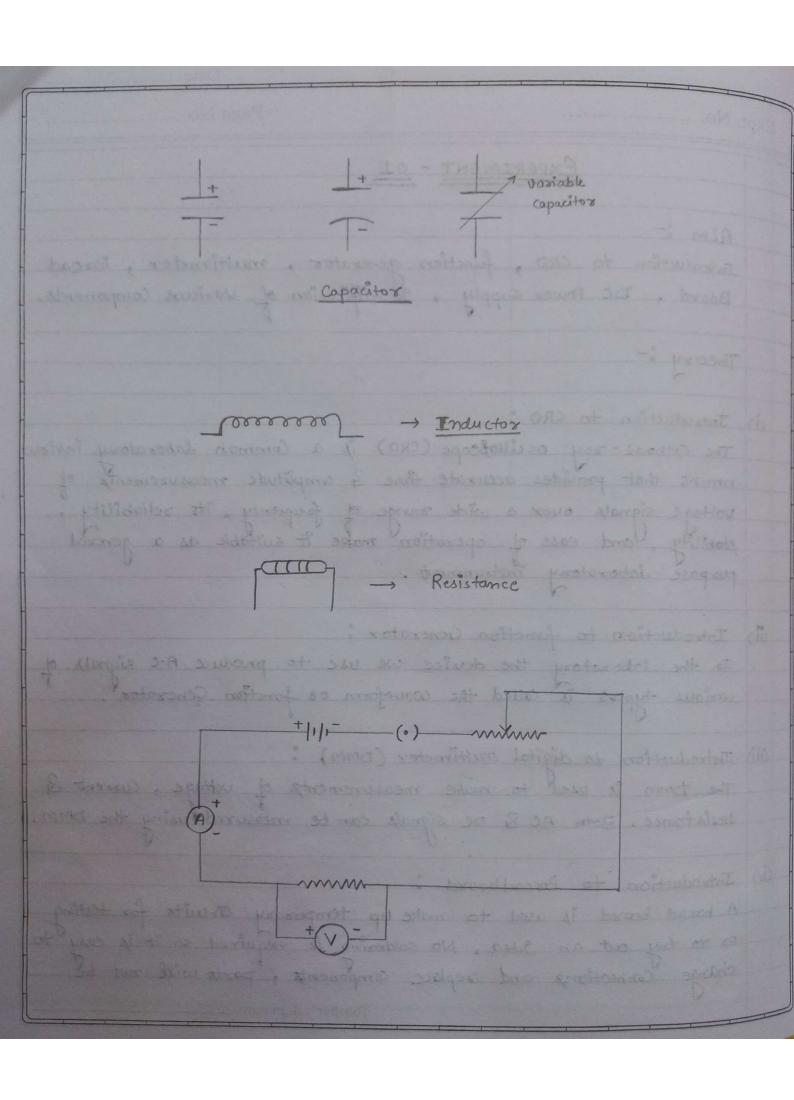
Bread Board

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## Page No. EXPERIMENT - 01 Aim :-Introduction to CRO, function generator, multimeter, Broad Board, DC Power Supply, Identification of various Components. Theory :-(i) Introduction to CRO: The Cathode - ray oscillabcope (CRO) is a Common laboratory instrunment that provides accurate time & amplitude measurements voltage signals over a wide range of frequency. its reliability stability, and ease of operation make it suitable as a puspose laboratory instrument ii) Introduction to function Generator: In the laboratory the denice we use to produce A.C signals various typers is called the waveform or function generator (iii) Introduction to digital multimeter (DMM) The them is used to make measurements of voltage, Current resistance. Both AC & DC signals can be measured using the DMM (iv) Introduction to Breadboard A bread board is used to make up temporory circuits for testing or to try out an Idea. No soldering is required so it is easy to change Connections and replace components ; parts will not

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	be domaged so they will be available to sic-use offerwards.
W.	Introduction to DC power Supply :-  It is easy to use, low power, four output general purpose labo- enatory supply. It is stuitable for experimental set-ups, circuit development and low voltage application
(yı̂)	Recietox:  The property of a substance which appears the flow of electric  Convent through it is called Resistance. A mesistar is a component  or device designed to have a known value of mesistance. Resistance of a mesistar depends on their length, mesistavity and its cross-  sectional Area.
(vii)	Capacitor:  The Capacitor is a possive components which stores the electrical energy in the electric field when the electric current passes through it. A apacitor is of 2 types:  Cexamic Capacitors
	Electrolytic Capacitoss
	In Inductor is a possive components which stores the Electrical energy in the magnetic field which the Electric current passes through it. Electric current (I) flows through, the core generates the magnetic field around it. Concider the magnetic field to generate flux (p). The ratio of p to I gives the Inductance.  Teacher's Signature:  Teacher's Signature: