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Aim of the Experiment: -Study of Electronics Components and family answerien

Equipments Required:
- Resiston, Vaniable Mesistance, Capaciton, Diode, BJT:
OP. Amp.

Theony -

Resiston - It is a component of an electrical cincuit that nesists the flow of electrical awarent. It has two tenninale and is designated to alrop the voltage of the current as it from one tenninal to the other. It is used to aneate and maintain a known safe current within an electrical component.

Variable Resistance - These variable resistons consists of a mesistance track with connections at both the ends and a wiper which moves along the track as you turn the spindle. These can be used as potentioneter.

Capaciton: A capaciton is a passive electronic component that stones energy in the form of an electric field. There are two types of capaciton i.e. polarized and non-polarized and two types of capaciton electrolyte is used on not.

There is the state of the difference of a netype semiwhile the state of property to conduct electricity in
while of the appeal we germanium and silicon. Zonen
while is used to maintain a fixed voltage and LED
to the unable light.

Temperature ! It is a semisonductor device used to amplify and multiple electronic signal and power. It is composed of a semiconductor material with at least three terminals for connection to an external circuit.

Ample An Openay on Openational Amplifican is plundermentally a voltage amplifying device, decigned to he we with external feedback components such as tresistence and capacitors between its output and input terminate. These feedback component determine the reculting function on "openation" of the amplifier and by wintur of the different feedback (configurations where resistive, capacitive on both, the amplifier can perform a variety of different openations, giving the to its name of openational amplifier. An openational amplifier is hustrally a time terminal device which consists of two high impedance inputs. One of the inputs is called the high impedance input, manked with a negative on "minus" input input, manked with a negative on "minus" townshing input, manked with a negative on "minus"

Teacher's Signature

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The IC 741 Op. Amp looks like a small chip. The prepresentation of 441 Op. Amp comprises of 8 pins. The most eignificant pins ame 2,3 and 6; where pins 2 and 3 denote inventing and non-inventing teaminals nespectively and pins denotes output voltage. The trainingular form in the IC signifies output voltage. The trainingular form in the IC signifies output voltage the trainingular form in the IC signifies output voltage to the famouse IC 741 Op. Amp. The makes this of is denoted by the famouse IC 741 Op. Amp. The makes function of this IC 741 k to do mathematical operation in various stages of transister which commonly have 3 stages like differential if a push pull and an intermediate gain stage. The differential Op. Amps comprises a set of 8.77c.

Wine :

A single strand copper wine was tested in a multimeter in the continuity made and was found to be continued.

CONCLUSION:

Characteristic property of various electronic components was measured and we get familiarized with all the basic components.