STUDY OF AMPLIFIERS CIRCUITS

CEE 2401 Study of Darlington Pair Amplifier .

SPECIFICATION : Power Supply of 12V, Transistors, Resistances & Capacitors.

CEE 2402 Study of Transistor Amplifier Circuits.

OBJECTIVE: To study Frequency Response Input Impedance, Output Impedance & -ve Feed Back of common base. Common Emitter & common collector. Transistor Amplifiers.

SPECIFICATION: Instrument comprises DC Regulated Power Supply, Circuit diagram is printed, Components mounted on the Front panel & connections of important points brought Out at 4 mm sockets.

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

CEE 2403 Study of Audio Power Amplifier Using IC TBA 810.

OBJECTIVE: Audio Power Amplifier using IC TBA 810 has been designed to study the Output Voltage Gain & Frequency Response of the amplifier.

SPECIFICATION: Instrument comprises of Fix Output DC Regulated Power Supply 6V, IC TBA 810, Circuit Diagram is Printed and Important connection are brought out at 4Mm sockets.

OPTIONAL ACC: CRO 10 MHz.

CEE 2404 FET Common Source Amplifier.

OBJECTIVE : Study of Voltage Gain and Frequency Response of a Common Source Amplifier.

SPECIFICATION: Instrument comprises DC Regulated Power Supply.

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Milli voltMeter/CRO.

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CEE 2405 Common Collector (Emitter Follower) Transistor Amplifier.

OBJECTIVE : To study Frequency Response Input Impedance & Output Impedance of Common Collector TransistorAmplifiers.

SPECIFICATION: Instrument comprises DC Regulated Power Supply.

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

CEE 2406 Common Base Transistor Amplifier (Frequency Response)

OBJECTIVE : To study Frequency Response of Common Base Transistor Amplifier.

SPECIFICATION: Instrument comprises DC Regulated Power Supply.

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

CEE 2407 Common Emitter/RC Coupled Transistor Amplifier

OBJECTIVE : To study Frequency Response of Common emitter /RC Coupled Transistor Amplifier.

SPECIFICATION: Instrument comprises DC Regulated Power Supply.

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

CEE 2408 Common Base Transistor Amplifier

OBJECTIVE : Common Base Transistor Amplifier has been designed to plot frequency response of a single stage PNP Transistor.

SPECIFICATION: Two Fixed Output DC Regulated Power Supply of ±12V. Circuit diagram is printed & components are placed on the front panel. Terminals / sockets are provided for Input, Output & Power Supply C1,C2 are 22 mfd/25V & R1,R2 are 470E,Tr 1-CK100

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CEE 2409 Common Emitter Transistor Amplifier

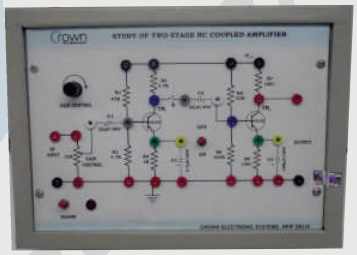
OBJECTIVE: To study Frequency Response Input Impedance, Output Impedance & -ve Feed Back of common Emitter Transistor Amplifier.

SPECIFICATION: Instrument comprises DC Regulated Power Supply,

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivlolt Meter/CRO.

CEE-2410 Study of Two Stage RC Coupled Transistor Amplifier

OBJECTIVE : Study of Output Gain Frequency Response of single stage and two stage RC Coupled Common Emitter Transistor Amplifier.



POWER SUPPLY: Instrument comprises DC Regulated Power Supply,

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

CEE 2411 Transistor Push Pull Amplifier

OBJECTIVE : To Study Frequency Response of Class 'B', Push Pull Amplifiers.

SPECIFICATION: Instrument comprises DC Regulated Power Supply.

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

CEE 2412 Complementary Symmetry Amplifier.

SPECIFICATION: Instrument comprises DC Regulated Power Supply,

OPTIONAL ACC: Audio Freq. Function Generator, Digital AC Millivolt Meter/CRO.

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CEE 2413 Study of Class 'A', 'B', AB' and Push Pull Amplifier

OBJECTIVE : Study of Output Gain Frequency Response of a class 'A', 'B' 'AB' & Push Pull Amplifier.

SPECIFICATION: Instrument comprises DC Regulated Power Supply,

OPTIONAL ACC: Audio Freq. Function Generator, 10MHz Dual Trace Oscilloscope.

CEE 2414 Biasing of Transistor in Class 'A' Operation.

OBJECTIVE : To study of effect of biasing network of output Signal and calculation on current gain and Frequency response for proper biasing network in Class 'A' operation.

SPECIFICATION: Instrument comprises one DC Regulated short Circuit and over load protected Power Supply. One DC Digital meter, 3 different values of RL and RE selectable using band switch provided on Front panel.

CEE 2415 Biasing Techniques of Transistor (BJT)

OBJECTIVE : To study of different Biasing Circuit for Transistor such As fixed Bias Method, Collector to Base Bias, Emitter Resistor Bias and Voltage Divider Bias methods.

SPECIFICATION: Instrument comprises one DC Regulated short Circuit and over load protected Power Supply. One NPN Tran, 2 Digital meters to measure the voltage and Current, Different types of Resistances connected Inside.

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