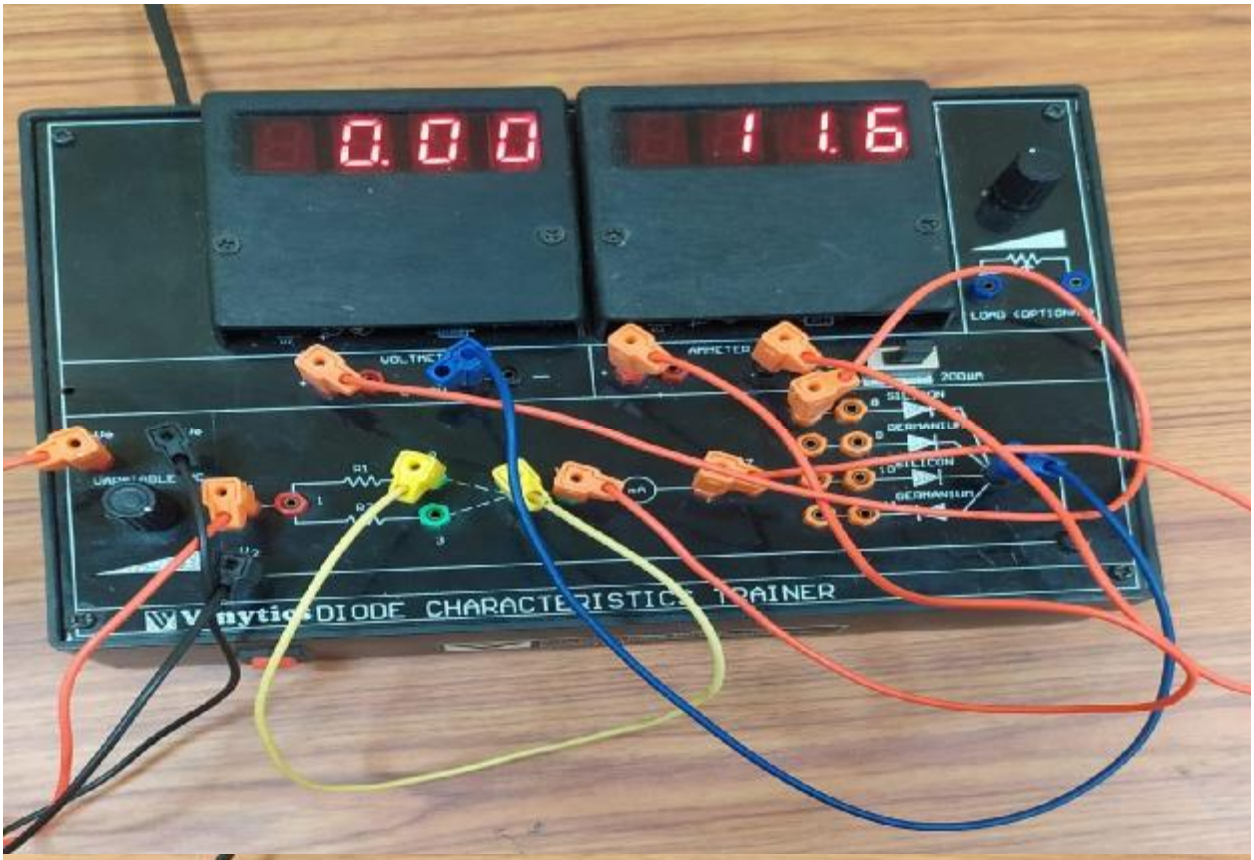
ANALOG ELECTRONICS LAB (KEE351)

1. To Plot V-I characteristics of P-N junction diode and Zener diode.
2. To draw wave shape of the electrical signal at input and output points of the ha wave, full wave and
bridge rectifiers.
3. To Plot input / output characteristics for common base transistor.
4. To determine voltage gain, current gain, input impedance and output impedanc and frequency response of
R-C coupled common emitter amplifier.
5. To Plot input /output characteristics of FET and determine FET parameters at a given operating point.
6. To Plot input /output characteristics of MOSFET and determine MOSFET parameters at a given operating
point.
7. To study transistor as a switch and determine load voltage and load current wh the transistor is ON.
8. Measurement of Operational Amplifier Parameters: Common Mode Gain, Differential Mode Gain, CMRR,
Slew Rate.
9. Applications of Op-amp: Op-amp as summing amplifier, Difference amplifier, Integrator and differentiator.
10. Study of Instrumentation Amplifier.
11. To plot V-I characteristics of SCR.
12. To plot V-I characteristics of TRIAC.


0.00
11.6
LOAD (OPTIONAL)
VOLTMETER
AMMETER
200μA
SILICON
GERMANIUM
VARIABLE
R1
DIODE CHARACTERISTICS TRAINER


-0.00
-00.2
LOAD (OPTIONAL)
0-20V
200μA
+Ue
-Ue
VARIABLE
R1
5V1
5V1
5V1
ZENER DIODE CHARACTERISTICS TRAINER


294
295
314
315

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR

INVENTORY SHEET

Department: **Electrical Engineering**
Inventory of Room No./Office- **Electronics lab**

Sr. No	Product	Product Description	Quantity	Remark
1.	Characteristics of junction diode/zener diode (AL-JDT)	(AL-JDT)-working	2	working
2.	Full wave and Half wave rectifier circuits	AL-RRTK- working	2	working
3.	FET Characteristics trainer	PET-FET- working	2	working
4.	PN junction diode Characteristics trainer	BET-JDT- working	2	working
5.	OP Amplifier as a adder and substracter	AL-ATOP- working	2	working
6.	Frequency response of RC coupled amplifier	AL- RCTA- working	2	working
7.	Common emitter amplifier	AL-CEA- working	2	working
8.	Transient response of RLC circuits	AL-RLC- working	2	working
9.	Study of semiconductor diode voltmeter-dc average responding	working	2	working
10.	Wein bridge oscillator trainer	AL-WBOT- working	2	working
11.	Voltmeter and ammeter for transistor as a switch ,Transistor as a switch trainer	AL-TAS- working	2	working