
LABORATORY EXPERIMENTAL KITS

LIST OF EXPERIMENTS FOR XI STANDARD

COMBINED FOR COMPLETE SYLLABUS

1. Half wave rectifier
2. Full wave rectifier
3. Bridge rectifier
4. Characteristics of PN junction diode
5. Characteristics of LEDs
6. Study of electromagnetic relay coil
7. Study of resistors
8. Combination of resistors (series and parallel)
9. Study of LEDs (series and parallel combination)
10. Study of diodes (series and parallel combination)



LIST OF EXPERIMENTS FOR XII STANDARD

PAPER I EXPERIMENTS

1. Zener diode load regulation
2. Zener diode line regulation
3. LM317 load regulation
4. LM317 line regulation
5. Photo relay using LDR (measurement of voltages)
6. Photo relay using LDR (measurement of currents)
7. Inverting amplifier using opamp
8. Non-inverting amplifier using opamp
9. Inverting adder using opamp
10. Subtractor using opamp
11. Inverting integrator using opamp
12. Inverting differentiator using opamp
13. Buffer i.e. unity gain amplifier using opamp
14. Comparator(4-types)using opamp
15. Schmitt trigger using Opamp



Complete set of 12th standard electronics notes

LIST OF EXPERIMENTS FOR XII STANDARD

PAPER II EXPERIMENTS

1. Study of basic gates
2. Study of De Morgan's theorem
3. Study of Ex-OR gate using IC7486
4. Study of Ex-OR gate using basic gates
5. RS flip flop using NAND and NOR gates
6. RS flip flop using IC 7474
7. Study of Boolean equations using basic gates
8. Study of diode matrix ROM
9. Study of NAND as universal building block
10. Study of NOR as universal building block
11. Binary ladder using voltage values
12. Binary ladder using full scale deflection
13. Study of 4-bit binary adder using IC7483
14. Study of Multiplexer
15. Study of demultiplexer
16. Study of Encoder
17. Study of Decoder



If you are a teacher working in a Jr. College, then you may like to know more about our experimental kits for above experiments. Our experimental kits are very accurate and low cost. Please spare some time and know more about the kits, as given in the following pages...



ACCURATE READINGS PERFECT SETUP!

Our lab experimental kits are designed as per your requirement for 11th & 12th Bifocal Electronics, Electrical & Computer Science, MCVC Electronics & Electrical, Engineering & Polytechnic Experiments.

FEATURES

1. Fully equipped with on-board apparatus (excluding meters like DMM).
2. Well-tuned kits as per HSC Board/MCVC pattern of practical experiments.
3. Each experiment kit is hand made and tested for ACCURATE READINGS.
4. Designed to understand its relevant theory given in practical booklet.
5. High quality spare parts are used inside each experimental board, like low heat & noise transformer, regulated precision power supply, stainless steel connectors, high efficiency semiconductors.
6. Low noise designing, electric shock proof HD Poly Vinyl Chloride (PVC) body.
7. Less tolerance resistors used for accurate reading, fine and clean computerized circuit printed on each board for best vision.



HAND MADE KITS

Every kit is a handmade kit with personal touch. Prof. Dattaraj Vidyasagar personally designs each kit as per your requirement, build the necessary circuit and fully test it to give you best possible results.

ACCURACY & RELIABILITY

Due to handmade designing and thorough testing, every kit is can give you upto 99% accuracy in readings. For that we suggest using good quality measuring instruments: voltmeter, ammeter and CRO

This is because we test every kit with general purpose measuring instruments like SANVA multimeter, Mastech DMM and simple Aplab or HP CRO. Due to this testing procedure, we can guarantee to get accurate readings even on your simple good quality, general purpose ammeter, voltmeter & CRO.

FULL PROOF KITS

Each kit has STAINLESS STEEL connecting terminals. So its contact resistance is practically zero. It is also free from corrosion and dust adhering, etc. The container of the kit is made up of PVC material, as shown in photographs. So it is electric shock proof.

BUILT-IN POWER SUPPLY

The kits which require power supply are designed with built-in power supply. You just have to connect the mains cord in 230V AC mains plug.

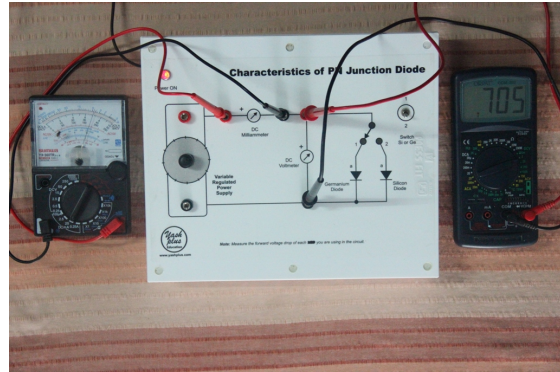
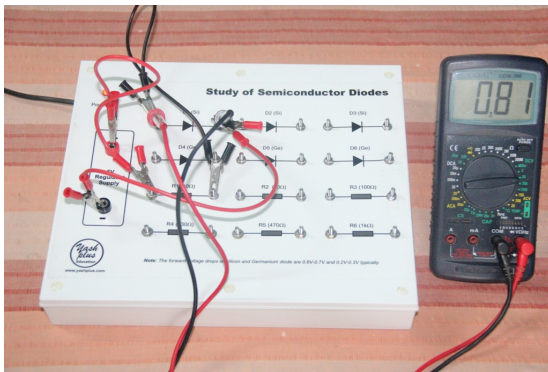
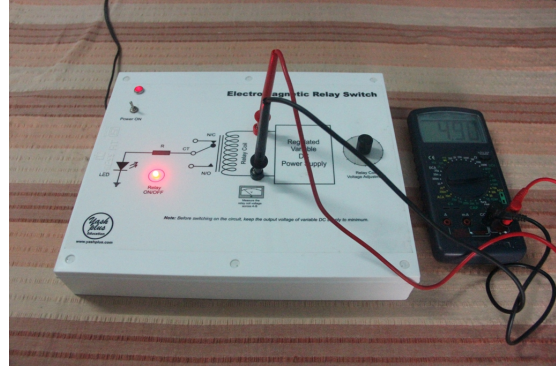
PRACTICAL BOOKLETS

We also supply complete practical booklet with procedure, observation table, specifications of components, etc. which you can directly give to your students for doing actual practicals.

KIT COSTING

The cost of each kit is different. The approximate cost range is from Rs.3000/- to Rs.4000/- maximum.

To place your order, visit our website and fill up the online contact form: <http://vsa.edu.in/contact/>



12th standard electronics practical booklets

(contains name, aim, apparatus list, circuit diagram, observation table, formulae, precautions, result, conclusion....)

Visit our website: www.vsa.edu.in