Diploma, Anna Univ UG & PG Courses

Notes   *Available @*
Syllabus
Question Papers
Results and Many more…

www.AllAbtEngg.com

EC8261 CIRCUITS AND DEVICES LABORATORY

DETAILED SYLLABUS

OBJECTIVES:

- To learn the characteristics of basic electronic devices such as Diode, BJT, FET, SCR
- To understand the working of RL, RC and RLC circuits
- To gain hand on experience in Thevinin & Norton theorem, KVL & KCL, and Super Position Theorems

1. Characteristics of PN Junction Diode

2. Zener diode Characteristics & Regulator using Zener diode

3. Common Emitter input-output Characteristics

4. Common Base input-output Characteristics

5. FET Characteristics

6. SCR Characteristics

7. Clipper and Clamper & FWR

8. Verifications of Thevinin & Norton theorem

9. Verifications of KVL & KCL

10. Verifications of Super Position Theorem

11. verifications of maximum power transfer & reciprocity theorem

12. Determination of Resonance Frequency of Series & Parallel RLC Circuits

13. Transient analysis of RL and RC circuits