



ST. JOSEPH'S INDIAN COMPOSITE PU COLLEGE

#23, Vittal Mallya Road, Bangalore – 560001.

SUBJECT: ELECTRONICS (40)

I PUC - PCME

PORTION FOR MID-TERM EXAMINATION – 2025

Ch 1 – Introduction to Electronics

Ch 2 – Principles of Electricity, Network theorems
and AC principles

Ch 3 – Introduction to Digital Electronics – Introduction,
Number System, Boolean Algebra

Ch 4 – Passive Electronic Components

Ch 6A – Semiconductors, Diodes and Application of Diodes –
Semiconductor theory, types of Semiconductors,
PN junction, Junction diode, V_i characteristics,
wave shaping circuits.



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Ch 1 - Field Effect Transistor (FET)

Ch 2 – Bipolar Junction Transistor (BJT) biasing

Ch 3 – Transistor Amplifiers

Ch 4 – Feedback in amplifiers

Ch 5 – Operational Amplifiers

Ch 10 – Digital Electronics