



# Indian Institute of Technology Jodhpur

## Department of Electrical Engineering

### SYLLABUS FOR THE POST OF JUNIOR TECHNICAL ASSISTANT

#### WRITTEN TEST & TRADE TEST

Basic Circuit Analysis KVL-KCL; Circuit Theorems; Semiconductor Devices diode, transistor, Different diode rectifiers; filters; biasing circuits of Transistors; basics of power electronics circuits, SCR controlled rectifier; Basics of Electrical Machines, Operational amplifier and its circuits; Digital Electronics and basics of 8085 Microprocessors; Different modulation techniques; feedback control systems; transfer function and block diagram reduction technique.

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