



# Indian Institute of Technology Jodhpur

## Department of Electrical Engineering

### SYLLABUS FOR THE POST OF JUNIOR TECHNICAL ASSISTANT

**(Pay Level 3)**

*Advt. No. 25*

#### **WRITTEN TEST & TRADE TEST**

*(Total 100 Marks)*

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.

----XXX---