

Total No. of Pages: 1

**5729**

Register Number:

Name of the Candidate:

**B.B.A. DEGREE EXAMINATION – 2015**  
**(TELECOM MANAGEMENT)**  
**(SECOND YEAR)**  
**(PART – III)**  
**(PAPER – IV)**  
**220. ELECTRONIC DEVICES**

May)

(Time: 3 Hours)

Maximum: 100 Marks

**SECTION - A**

**Answer ALL questions.**

**(10 × 2 = 20)**

1. Write down the formula for reactance of a capacitor.
2. Differentiate intrinsic and extrinsic semiconductor.
3. What is the function of thermistor?
4. What is a rectifier?
5. What is a covalent bond?
6. Define clipper.
7. Define doping.
8. What are the different configurations of BJT?
9. What is biasing?
10. What is N-Channel MOSFET?

**SECTION - B**

**Answer any FOUR questions.**

**(4 × 10 = 40)**

11. Give a detailed note on thermistors.
12. Explain P and N type semiconductors and their conductivity.
13. Explain the forward and reverse bias characteristics of P-N Junction Diode.
14. Explain common base configuration of BJT with a neat circuit.
15. Describe capacitors and its types.
16. Explain the operation of MOSFET.

**SECTION - C**

**Answer any TWO questions.**

**(2 × 20 = 40)**

17. Describe in detail rectifiers.
18. Explain the characteristics of Bipolar Transistor.
19. Compare FET, MOSFET and BJT.
20. Explain Zener diode in detail.

%%%%%%%%