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Register Number:

Name of the Candidate:

B.B.A DEGREE EXAMINATION, December 2014

(TELECOM MANAGEMENT)

(SECOND YEAR)

(PART - III)

220: ELECTRONIC DEVICES

Time: Three hours

Maximum: 100 marks

SECTION - A

Answer ALL questions.

(10 × 2 = 20)

1. Define active and passive elements.
2. Define colour codes.
3. What are semiconductors? Give examples.
4. What is extrinsic semiconductor?
5. Define zones breakdown.
6. What is an Insulator?
7. Define the term diffusion current.
8. Draw the PNP & NPN transistor symbol.
9. What is FET?
10. What is biasing?

SECTION - B

Answer any FOUR questions.

(4 × 10 = 40)

11. Write a note on colour codes.
12. Give a brief description of Doping.
13. Explain the principle of operation of bridge rectifier.
14. Discuss the characteristic of CE Transistor.
15. Explain the common collector and common base Transistor configuration.
16. Explain characteristics of FET.

SECTION - C

Answer any TWO questions.

(2 × 20 = 40)

17. Differentiate between majority and minority carriers in extrinsic semiconductors.
18. Draw and explain the circuit diagram of acc configuration using on NPN Transistor.
19. Explain in detail the characteristics of Bipolar Transistor.
20. Explain the construction and working of MOSFET.

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