

Total No. of Pages:

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Register Number:

6014

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(FIRST YEAR)

(PAPER-II)

520. ADVANCED DIGITAL ELECTRONICS

Dec]

[Time : 3 Hours

Maximum : 100 Marks

SECTION-A

Answer any FIVE questions

(5×4=20)

1. Explain RAM.
2. Explain typical signals in memory chips.
3. Explain CAM.
4. Explain CCD memory.
5. Explain magnetic recording technique.
6. Explain compact disk.
7. Explain BCD adder.
8. Explain working of Thermistors.

SECTION-B

Answer any FIVE questions

(5×16=80)

9. Distinguish between RAM and ROM.
10. Explain PLA in detail.
11. Explain ALU pin-configuration and operation.
12. Explain the working of transducers.
13. Explain dual trace oscilloscope.
14. Give an account of development of electronics.
15. Write notes on:
 - a) LVDT
 - b) WINCHESTER DISK
 - c) Binary Multiplier
16. Write notes on:
 - a) MOSFET
 - b) Binary Division
 - c) Sampling Oscilloscope.
