Total No. of Pages: 1

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Register Number:

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, 2011

(ELECTRONIC SCIENCE)

(FIRST YEAR)

(PAPER-II)

520. ADVANCED DIGITAL ELECTRONICS

May) (Time: 3 Hours

Maximum: 100 Marks

PART-A **(5×4=20)**

Answer any FIVE questions

1. Explain the working of MOSFET with neat diagram.
2. Discuss EEPROM in brief.
3. Explain the working of static shift.
4. Explain the CCD in brief.
5. Discuss Magnetic tape.
6. Explain the working of laser CD.
7. Explain the working of BCD adder.
8. Explain the working of ALU.

PART-B **(5×16=80)**

Answer any FIVE questions

9. Distinguish between RAM and ROM.
10. Explain PLA in detail.
11. Explain various types of magnetic and mass storage devices.
12. Explain the working of ALU (IC 74LS181)
13. Explain the working of transducers.
14. Discuss in detail the working of digital storage oscilloscope.
15. Give an account of development of Digital Electronics.
16. Write short notes on:
    a) RAM.
    b) Calculator
    c) Compact Disc(CD)

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