Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(FIRST YEAR)

(PART - III)

(PAPER - IV)

561 / 160. UNIX AND C

(Common to New & Revised Regulations)

May]   [Time : 3 Hours

Maximum : 100 Marks

PART - A   (8 × 5 = 40)

Answer any EIGHT questions.
All questions carry equal marks.

1. Briefly discuss kernal and shell.

2. With syntax, explain the *cd* and *ls* commands.

3. Discuss the different debugging tools.

Turn Over

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4. Write shell meta characters.

5. What is function ? Write the advantages of functions.

6. Discuss about logical and bitwise operators.

7. Explain the different types of array with suitable example.

8. How to declare the arrays of pointers ? Explain.

9. Distinguish between array and union.

10. Briefly discuss the various operations of stack.

PART - B   (3 × 20 = 60)

Answer any THREE questions.
All questions carry equal marks.

11. Explain the various data types in 'C'. Give example for each type.

12. Explain the four different storage classes in 'C' language with an example.

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13. Discuss the following :

(a) Singly linked list.

(b) Queue.

14. Describe the history of UNIX operating systems.

15. Explain the following text processing commands :

(a) Join.

(b) Head.

(c) Tail.

(d) Grep.

(e) Egrep.