

2045

MCA-02

M.C.A. DEGREE EXAMINATION—JANUARY, 2006.

First Semester

INTRODUCTION TO SOFTWARE

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain the benefits of operating system.
2. Give the role of the process control block.
3. Write a shell program to check if a number is positive, negative or zero.
4. Explain the various components of the Unix system.
5. What are the environment variables? How will you list them?
6. Explain the role of a System Administrator.
7. List the phases of system investigation.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain any two disk scheduling Algorithms.
 9. What are the types of file organization? Explain.
 10. Write a shell program to accept a number from 1 to 10 and display the same number in words.
 11. What is file system? How will you mount and unmount it?
 12. Define software engineering. Discuss the role of a Software Engineer.
 13. Explain the software life cycle with neat diagram.
 14. What are the advantages and disadvantages of CASE tools?
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