

UG-414

BCA-03

**U.G. DEGREE EXAMINATION –
JANUARY 2009.**

First Year

(AY 2004-05 onwards)

BCA

INTRODUCTION TO SYSTEM SOFTWARE

Time : 3 hours

Maximum marks : 75

Answer for 5 marks question should not exceed
2 pages.

Answer for 10 marks questions should not exceed
5 pages.

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is meant by Low-Level Language? Explain.
2. Explain the term 'Batch processing'.
3. Compare an Assembler and a Compiler.

4. What is meant by 'Turn around time'? Explain briefly.
5. Write short notes on Unix Operating System.
6. Explain the term 'page fault'.
7. Diagrammatically illustrate and discuss the states a process can be in.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss the various phases of a compiler briefly.
9. What is meant by Graphical User Interface? Explain briefly.
10. Explain FCFS algorithm of process management.
11. Explain the objectives of file management system.
12. Explain how Deadlock can be prevented?

13. Illustrate any two methods of providing security in UNIX systems.
14. Explain the UNIX system soft layers briefly.

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