MCA–642   MCA–02

M.C.A.DEGREE EXAMINATION–JUNE 2008.

First Year/First Semester

INTRODUCTION TO SOFTWARE

Time : 3 hours   Maximum marks : 75

Answer for 5 marks questions should not exceed
2 pages.

Answer for 10/15 marks questions should not exceed
5 pages.

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.   What are the types of translators?

2.   Describe the functioning of Loader.

3.   Write short notes on line editors.

4.   Explain the features of unix file system.

5.   What is process? Draw process state diagram.

6.   Write a shell script to find whether a given number is odd or even.

7.   What are the advantages and disadvantages of CASE Tools?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8.   Discuss the various stages of problem solving.

9.   What are the major commands of the Vi screen editor? Explain the features of Vi editor.

10.   Explain the following :

    (a)   Spooling

    (b)   Buffering.

11.   What is mutual exclusion? How does semaphores solve mutual exclusion problem?

12.   Explain any two parameter passing techniques in detail.

13. Explain the following UNIX commands.

    (a) sty   (b) who

    (c) cal   (d) man

    (e) kill.

14. What is the purpose of project control? What are the two project control techniques?

    —————————

3   **MCA–642**