

B. E. 6th Semester (CSE) Examination, May-2012
SYSTEM PROGRAMMING AND SYSTEM ADMIN.

Paper-IT-303-E

Time allowed : 3 hours] [Maximum marks : 100

Note : Attempt any five questions. All questions carry equal marks.

1. (a) What is a program generator ? Explain various types of program generators and their features. 10
- (b) Define a linker and a loader ? How they are different from each other ? 10
2. (a) What is an incremental compiler ? Explain the working of incremental compiler in detail. 10
- (b) Explain relocating loader in detail ? How it is different from direct linking loader ? 10
3. (a) What are macro language and macro instructions? Explain various macro instructions by giving suitable examples. 10

- (b) Explain macro calls with macro instruction by giving suitable example. 10
4. (a) Explain the concept of memory management of UNIX operating system by giving more stress on Swapping and demand paging. 10
- (b) Write a short note on :
- (i) Inodes
- (ii) Directory structure of UNIX. 10
5. (a) Write TEN commands of Vi editor with their purpose ? 10
- (b) Differentiate between relative and absolute pathnames by giving suitable examples. 10
6. (a) Explain the various operations that can be performed on files in UNIX by giving proper examples. 10
- (b) What is file statistics ? How it is obtained ? Write the commands and their format to obtain the file statistics. 10