

Exam. Code : 103203

Subject Code : 1091

B.A./B.Sc. 3rd Semester
COMPUTER APPLICATION
(Operating System)

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt *five* questions in all, selecting at least *one* question from each section. The **fifth** question may be attempted from any section.

SECTION—A

1. (a) What do you mean by an operating system ?
Discuss evolution of operating system. 7.5
(b) Differentiate between compiler and interpreter.
7.5
2. Explain various types of operating system with suitable examples. 15

SECTION—B

3. What do you mean by memory management ? Explain various memory management techniques with suitable examples. 15
4. (a) Explain in detail the booting sequence of a system.
7.5
(b) Discuss the first come first serve and round robin methods of CPU management. 7.5

SECTION—C

5. (a) Explain the types and levels of users in Unix. 7.5
(b) Write main features of Unix operating system. 7.5
6. (a) Discuss Unix file system. 7.5
(b) Explain the concept of kernel and shell. 7.5

SECTION—D

7. (a) Explain various types of shells in Unix. 7.5
(b) Discuss various file related commands for Vi editor in Unix. 7.5
8. (a) Discuss with examples how filters and piping are used with various commands in UNIX. 7.5
(b) Explain the following commands of Unix with suitable example :
cal, who, mail, pwd, chmod. 7.5