

Operating Systems-102

Sem-I

Time -: 3hrs.

M.M.- 70

Note : The candidates are required to attempt two questions each from Section A & B Section C will be compulsory

h question

Section-A

- | | |
|---|----|
| 1. Explain the services provided by operating system. | 10 |
| 2. Explain the following type of operating systems | |
| a) Time sharing operating system | 5 |
| b) Network operating system | 5 |
| 3. Explain short-term. Long-term and mid-term schedulers. | 10 |
| 4. Explain the four conditions that must occur together for the occurrence of deadlock. | 10 |

Section-B

- | | |
|--|----|
| 5. Explain the functions of windows operating system. | 10 |
| 6. What is desktop? Explain different types of icons available on desktop. | 10 |
| 7. Explain the features of Linux. How Linux is different from Windows? | 10 |
| 8. Explain the purpose of these commands: pwd, more, chmod, chown, who. | 10 |

Section-C

- | | | |
|----|---|--|
| 9. | a) What is booting? | |
| | b) What is the user view of operating system? | |
| | c) What is parallel processing? | |
| | d) Write advantages of Round Robin scheduling. | |
| | e) What is response time for a process? | |
| | f) Explain the content of title bar. | |
| | g) What is the use of shortcut icon? | |
| | h) What is the use of notepad? | |
| | i) What detail you get with 'ls -l' command in Linux? | |
| | j) Who is the root user in Linux? | |

10x3=30