

Question Bank (G scheme)

Name of subject: Operating System

Unit Test:I

Subject Code: 17512

Course:CM5G

Semester: V

CHAPTER 1- Introduction

[12 marks]

3marks:

1. Explain batch monitoring function?
2. What is multitasking operating system? State advantage of multitasking operating system?
3. Explain multiprocessor system in detail?
4. Describe evaluation of OS?

4marks:

5. Explain batch processing system?
6. Define operating system? State the different type of operating systems?
7. Real time operating system in brief?
8. Explain distributed system in detail?
9. Describe time sharing system along with example?
10. Difference between: Multiprogramming & Multitasking in OS?
11. Difference between: time sharing system & Real time system?
12. What is operating system? Explain generation of computer system?

CHAPTER 2- Operating System Structures

[18 marks]

3marks:

13. Draw and explain monolithic structure of OS?
14. What are the steps involved in booting?
15. Describe layered approach to system design? Also write its advantage & disadvantage?
16. Explain any 3 system components with their activities?
17. Describe file management. Enlist the system call for file management?

4marks:

18. What is system calls? Explain types of system calls?
19. Explain concept of virtual memory in detail with example?
20. What is system calls? Enlist any 4 system calls related to files?
21. Describe layered approach to system design? Also write its advantage & disadvantage?

22. List different type of system calls? Mention their uses?
23. List system components? Explain File management in details?

CHAPTER 3- Process Managemen

[22 marks]

4marks:

24. State and explain multithreading model with diagram?
25. Draw and explain process control block in detail?
26. Draw and explain inter process communication model?
27. Explain different process scheduling criteria?
28. Describe various operation of process?