**Studytonight – OS test 9 – Aditya Jain**

**(Theoretical Test)**

1. **What hole will allocate in “Worst-Fit” algorithm of memory management?**
2. It allocates the smaller hole than required memory hole
3. It allocates the smallest hole from the available holes
4. **It allocates the largest hole from the available memory holes**
5. It allocates the exact same size memory hole
6. **What is Thrashing?**
7. **A high paging activity**
8. A high executing activity
9. A extremely long process
10. A extremely long virtual memory
11. **What do you mean by Memory Compaction?**
12. Combine multiple equal memory holes into one big hole
13. **Combine multiple small memory holes into one big hole**
14. Divide big memory hole into small holes
15. Divide memory holes into exactly two equal halves
16. **What is the method of handling deadlocks?**
17. Use a protocol to ensure that the system will never enter a deadlock state
18. Allow the system to enter the deadlock state and then recover
19. Pretend that deadlocks never occur in the system
20. **All of the above**
21. **Which of the following is the allocation method of a disk space?**
22. Contiguous allocation
23. Linked allocation
24. Indexed allocation
25. **All of the above**
26. **What are the requirements for the solution to critical section problem?**
27. Mutual exclusion
28. Progress
29. Bounded waiting
30. **All of the above**
31. **Which of the following is not process states?**
    * + - 1. New
          2. Running
          3. Ready
          4. **Finished**
32. **What is dispatch latency?**
33. **The time taken by the dispatcher to stop one process and start another**
34. The time taken by the processor to write a file into disk
35. The whole time take by all processor
36. None of the above
37. **What does Belady’s Anomaly related to?**
    1. **Page Replacement Algorithm**
    2. Memory management algorithm
    3. Deadlock prevention algorithm
    4. Disk scheduling algorithm
38. **Which of the following file format supports in Windows 7?**
    1. **NTFS (New Technology File System)**
    2. BSD
    3. EXT
    4. All of the above
39. **The primary job of the operating system is?**
    1. Manage commands
    2. Manage users
    3. Manage programs
    4. **Manage resources**
40. **What is the meaning of “Hibernate” in Windows XP/Windows 7?**
    1. Restart the computer in safe mode
    2. Restart the computer in hibernate mode
    3. Shutdown the computer terminating all the running applications
    4. **Shutdown the computer without closing the running applications**
41. **Who is called a supervisor of computer activity?**
    * + - 1. Memory
          2. **Operating System**
          3. I/O Devices
          4. Control Unit
42. **Virtual Memory is**
    1. Extremely large main memory
    2. Extremely large secondary memory
    3. **An illusion of extremely large main memory**
    4. An illusion of extremely large secondary memory
43. **What should be the first step while OS upgrading?**
    1. Delete old Operating system
    2. Backup old operating system
    3. **Backup critical data**
    4. Format hard disks