1. Which of the following is not a hardware SchedulerRAM
2. Processing in which the programs and data collected together as a group before the processing starts Batch processing
3. Most efficient Input Output technique is All of the above
4. Operating system is a type of Software
5. What is the expansion of CTSS Compatible Time Sharing System
6. During the system call the control should be transferred from User space to kernel space
7. Transferring the process between the memory and the ready queue is the process of Medium term scheduling
8. How each and every process are identified by Operating system PID
9. From the following options which is the false choice in the reasons for process cooperation Use the CPU at the same time
10. The interval of the submission time of the process and completion time is known as Turnaround time
11. The situation where a higher priority task to wait for a lower priority task is known as Priority inversion
12. Program which is running in user mode and trying to access Operating system memory or other users memory results in Fatal error
13. Shuffle the memory contents to place all free memory together in one large block is called Compaction
14. If there is reference to a page not in memory, it causes Page fault
15. A built-in function in shared memory to return the information about the shared memory segment shmctl()
16. Software used to locate the kernel load it into main memory and start the OS execution is known as Bootstrap loader
17. The technique used to overcome the waiting time of low priority processes Aging
18. A process may be assigned to different processor after it is unblocked Dynamic assignment
19. Allocate the smallest hole of the memory Best fit
20. IR refers to \_\_\_\_\_\_\_\_\_\_\_\_\_ Instruction register
21. Process is identified with \_\_\_\_\_\_\_ PID
22. Fork() function returns positive number for \_\_\_\_\_\_\_\_\_\_\_\_\_ Parent process
23. Semaphore is a \_\_\_\_\_\_ that controls access to one or more resources Variable
24. Interrupts cause OS to change CPU from current task to execute \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Kernel routine
25. \_\_\_\_\_\_\_\_\_process is responsible for managing clients that are directly log on to the system login
26. Address binding is converting symbolic address to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ relocation address
27. Starting address of the memory is stored in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Base register
28. Fork() returns zero for \_\_\_\_\_\_ child process
29. Initial value of invalid bit in all entries are \_\_\_\_\_\_\_ i
30. Moving the process between disk and memory during the execution swapping
31. In Reader-Writer problem a process wishing to do the updating must be in \_\_\_\_\_\_\_\_\_ Write mode
32. Only one process at a time can acquire the lock to avail the file access Exclusive lock
33. Philoshoper executes\_\_\_\_\_\_\_\_\_\_ function if he wants to grab a chopstick wait()
34. \_\_\_\_\_\_\_\_\_\_\_\_\_\_is responsible for managing client of a system sshd process
35. In \_\_\_\_\_\_\_\_\_\_\_\_\_\_ every user has their own user file directory (UFD) Two level directory
36. Switching CPU from state save of current process and state restore of different process is known as context switching
37. Memory space allotted in CPU is \_\_\_\_\_\_\_\_\_\_ Register
38. Offsets from the starting address is known as \_\_\_\_\_\_\_\_\_\_ Relative address
39. Binding the relocatable address to absolute address is known as \_\_\_\_\_\_\_\_\_ linker and loader
40. Situation that occurs when a device or system attempts to perform two or more operations at the same time Race condition
41. How each and every process are identified by Operating system PID
42. Sending and receiving the information using the Mailbox is known as Indirect communication
43. Purpose of Rollback is Return to some safe state restarts process for that state
44. Which one of the characteristics is applicable to main memory Volatile
45. The Reader-Writer problem is a classical example for process synchronization and to obtain the solution to the problem, following condition must be satisfied. Any number of readers may simultaneously read the file. Only one writer at a time may write to the file. If a writer is writing to the file, no reader may read it. All the options
46. The dining philosopher is a classical example for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Concurrency control problem
47. Arm only goes as far as the last request in each direction, then reverses direction immediately, without first going all the way to the end of the disk C-LOOK
48. The main purpose of virtual memory is It is mainly maintained on secondary memory and pieces are brought into main memory only when needed
49. From the following options which is the false choice in the reasons for process cooperation Use the CPU at the same time
50. System call to the OS is considered as which type of interrupt TRAP interrupt
51. Which socket provides reliable communication Stream
52. What are the three states of the philosophers in dining philosopher problem THINKING, HUNGRY, and EATING state
53. The event of stopping the processor during an instruction s execution when the data needed for that instruction has not yet arrived from memory is called as \_\_ the CPU Stalling
54. During the system call the control should be transferred from User space and kernel space
55. Which memory is used to compensate the speed disparity between main memory and CPU Cache
56. Blocking send and unblocking send are synchronous process No
57. Given that the processes and their sizes( in KB) that are loaded into main memory: P1  23, P2, 14, P3  17, P4-55, assuming that the size of the frame is 4 KB compute the total internal fragmentation. 7
58. Identify the advantages of Microkernel architecture. Smallerkernel, Reliable, Portable
59. The disk arm starts at the first I/O request on the disk, and moves toward the last I/O request on the other end, servicing requests until it gets to the other extreme I/O request on the disk, where the head movement is reversed and servicing continues LOOK
60. The amount of memory that a process requires initially to commence its execution is termed as working set