

Index No:

6. Process cooperation in a Readers-and-Writers problem requires that the

- a. Writers always call two procedures
- b. Writers perform a Test-and-Set
- c. Readers always call two procedures
- d. Readers perform a Test-and-Set

7. If Round Robin is used with a time quantum of 1 second, the turnaround time for Job 2 will be

- a. 1 second
- b. 2 seconds
- c. 1 hour
- d. 1 hour, 1 second

Job Number	CPU Time
1	1 hour
2	1 second
3	1 second

8. On a disk with 8 records per track, where the records are numbered from 0 to 7, and where the file is stored starting at track 0, record 14 is found on track

- a. 0
- b. 1
- c. 2
- d. 3

9. Given a record size of 120 and block size of 1200, what is the blocking factor?

- a. 10
- b. 15
- c. 20
- d. 25

10 The operating system is .....

- a. Application software.
- b. Hardware.
- c. System software.
- d. A user program.

11 Direct memory access is a technique that .....

- a. Is most effective for slow character devices.
- b. Cannot be used for block devices.
- c. Enables the associated controller to read and write data directly from/to primary memory with no CPU intervention during data transfer.
- d. None of the above.