

MODULE – I
PART II –OPERATING SYSTEM CONCEPTS

Q.1 In process scheduling, Turnaround time equals to

- a) the total waiting time for a process to finish execution
- b) the total time spent in the ready queue
- c) the total time from the submission to completion of a process
- d) the total time spent in the running queue

Q.2 In an existing process, the time required to create a new thread is _____

- a) equal to the time required to create a new process
- b) greater than the time required to create a new process
- c) none
- d) less than the time required to create a new process

Q.3 Who among the following can block the running process?

- a) Fork
- b) Read
- c) Down
- d) All of these

Q.4 In process state, ready state means

- a) when process is using the CPU
- b) when process is scheduled to run after some execution
- c) when process is unable to run until some task has been completed
- d) none of the mentioned

Q.5 Which statement is correct?

- a) mv command will preserve the meta data of the file
- b) cp command will preserve the meta data of the file
- c) sort command by default sorts in the numeric order
- d) ps command will display the filesystem usage

Q.6 All unsafe states are _____

- a) not deadlocks
- b) fatal
- c) deadlocks
- d) none of these

Q.7 To assign read-write permission to the owner (user), which command is used?

- a) chmod a+r file
- b) chmod o+r file
- c) chmod u+rw file
- d) chmod u-rw file

Q.8 To search contents of a file for a specific pattern, which command will be used?

- a) touch
- b) grep
- c) find
- d) ls

Q.9 Which layer of Linux architecture interacts directly with system hardware?

- a) Shell
- b) Commands
- c) Kernel
- d) Applications

Q.10 A job Scheduler is also called as _____?

- a) Short-Term Scheduler
- b) Medium-Term Scheduler
- c) Long-Term Scheduler
- d) All of the above

Q.11 The mechanism to store and restore the state of a process is called_____

- a) Process Control Block
- b) Scheduling information
- c) Program Counter
- d) context switch

Q.12 Which of the given below algorithms work based on priority?

- a) non-preemptive
- b) preemptive
- c) Both A and B
- d) None of the above

Q.13 Which is the advantage of Batch operating System in following?

- a) job could not enter an infinite loop.
- b) Easy to debug program.
- c) Increased performance
- d) All of the above

Q.14 Which linux command is used to display the calendar of previous, current and next month?

- a) cat -p
- b) cal -3
- c) cal -pcn
- d) cal

Q.15 What is the output of below code of shell scripting?

```
x=5
while [ $x -le 10 ]
do
    x=$(( $x + 1 ))
    echo $x;
done
```

- a) 6 7 8 9
- b) 6 7 8 9 10
- c) 5 6 7 8 9 10
- d) 6 7 8 9 10 11

Q.16 The first argument is read by the shell into the parameter ____

- a) \$1
- b) 1\$
- c) \$3
- d) \$\$