CSE/IT Batch : Hinglish

Operating System

Process Management part - 2

DPP-02

1. Context switching is the process of

(a) Saving the context of current process and loading the context of current process itself.

(b) Saving the context of current process and loading the context of newly scheduled process

(c) Saving the context of newly scheduled process and loading the context of newly scheduled process.

(d) None

2. Who is responsible for context switching?

(a) Long term scheduler

(b) Dispatcher

(c) Medium term scheduler

(d) None

3. If a process is unable to find an available I/O device to perform some I/O operations then that process can make a transition from

(a) Waiting state to running state

(b) Waiting state to ready state

(c) Waiting state to suspended waiting state

(d) None

4. New state, suspended ready state and suspended waiting state are present in

(a) RAM (main memory)

(b) Cache

(c) Secondary memory

(d) Registers

5. Swap in, swap out operations are done by

(a) Long-term schedule

(b) Midterm schedule

(c) Short-term schedule

(d) None

6. Degree of Multiprogramming (DOMP) is

(a) The number of processes that are part of main memory at any point of time

(b) The number of processes that are part of cache memory at any point of time

(c) The number of processes that are part of secondary memory at any point of time

(d) None of the above

7. During context switching time, states of CPU with respect to user is

(a) Processing

(b) Idle

(c) Both processing and idle

(d) None

8. Goals of process scheduling are

(i) Minimum response time

(ii) Maximum throughput

(iii) Minimum waiting time

(iv) There should be more context switches

(a) i, ii, iii, iv (b) i, ii, iii

(c) ii, iii, iv (d) iii, iv

9. Choose the correct statement from the following:

(i) Process scheduling is a technique which is used to select one process from ready queue and put on to running state from multiple number of ready queue processes

(ii) A process that is released forcibly is pre-emptive process scheduling.

(iii) During context switching time CPU with respect to system is busy

(iv) A process is being an active entity, it keeps on changing its state on timely manner.

(a) i, ii, iii (b) ii, iii, iv

(c) iii, iv (d) all of the above

10. At any point of time if a processes is present in ready, waiting state, then these processes are part of

(a) Cache

(b) Registers

(c) Secondary Memory

(d) Main Memory

Answer Key

1. **(b)**
2. **(b)**
3. **(c)**
4. **(c)**
5. **(b)**
6. **(a)**
7. **(b)**
8. **(b)**
9. **(d)**
10. **(d)**

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