

Operating System

Process Management Part-1

DPP-01

1. When a user application requests a service from the operating (via system call)
 - (a) it must transition from Software to Hardware mode
 - (b) it must transition from Kernel to User mode
 - (c) it must transition from Hardware to software mode
 - (d) it must transition from User mode to Kernel mode
2. Select the true statements from the following statements.
 - (i) Program by itself is a process
 - (ii) Program is an active entity
 - (iii) When a system call is executed, it is treated by the hardware as a software interrupt
 - (iv) none
 - (a) (i), (ii), (iii) are correct
 - (b) (ii), (iii) are correct
 - (c) only (ii) is correct
 - (d) only (iii) is correct
3. Which state transition is initiated by the process itself?
 - (a) Dispatch
 - (b) Sleep
 - (c) Block
 - (d) All of the above
4. Process attributes are stored in data structure known as
 - (a) Stack
 - (b) Queue
 - (c) Trees
 - (d) Linked list
5. A process after completion of an I/O operation a process is migrated from waiting state to
 - (a) New state
 - (b) Running state
 - (c) Ready state
 - (d) None
6. Which of the following is/are privileged instruction?
 - (a) Generate any trap instruction
 - (b) Halt instruction
 - (c) Context switch
 - (d) Set the timer
7. Choose the correct statements from the following
 - (i) Process is an instance of on executing program
 - (ii) Program is dynamic entity
 - (iii) Program has two logical components
 - (iv) A word-processing program run by an user on pc is a rocess.
 - (a) (i), (ii), (iii)
 - (b) (iii), (iv)
 - (c) (i), (iii), (iv)
 - (d) (iii), (iv)

Answer Key

1. (d)
2. (d)
3. (c)
4. (d)

5. (c)
6. (a, c, d)
7. (c)



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