

Q2) Match Column A with Column B (Marks 5)

	Column A	Column B	
1	Caching	Is active & it is a Program in execution	3
2	Bootstrap program	One of operating system services	5
3	Process	Copying information into faster storage system	1
4	If thread state is disabled	Is loaded at power-up or reboot	2
5	User interface	Thread cancellation remains pending until thread enables it	4

Q3) Choose only two of the following,, then compare.. (Marks 5)

- 1- Independent & cooperating processes.
- 2- Bounded-buffer & unbounded-buffer.
- 3- Shared memory & message passing. (with drawing)
- 4- Many to one & many to many multithreading model.

(1) Independent process	(1) Cooperating process	(2) Bounded Buffer	(2) Unbounded buffer
Cannot affect or be affected by the execution of another process	Can affect or be affected by the execution of another process	assumes that there is a fixed buffer size	places no practical limit on the size of the buffer

(3) Message passing	(3) shared memory	(4) Many to one	(4) Many to many

Best wishes ...
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MID TERM I

CSCI 335 (Operating System)

Level: 5

Total Marks: 15

Total Time: 1 hour

Q1) Choose the best answer and write your answer in the following table (Marks 5)

choose only 5 of them

1	2	3	4	5	6	7
c	c	c	d	a	c	d

- The socket 161.25.19.8: 1625 is on -----
(a) port 161.25.19.8
(e) host 161.25.19.8
(b) host 1625
(d) host 1623
- If parent terminated without invoking wait, process is an -----
(a) zombie
(e) Orphan
(b) fork
(d) none
- implies a system can perform more than one task simultaneously
(a) concurrency
(e) parallelism
(b) balancing
(d) splitting
- DRM stands for-----
(a) decoder rights multiprogramming
(c) delft record multiprogramming
(b) Process control block
(d) Digital rights management
- Device controller informs CPU that it has finished its operation by causing an -----
(a) Interrupt
(c) Polling
(b) Trap
(d) None
- When one process in critical section, ----- Other may be in its critical section
(a) All
(e) NO
(b) some
(d) usually
- A solution to the critical-section problem must satisfy the following -----
(a) avoiding
(e) mutual exclusion
(b) bounded waiting
(d) B&C