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| Q1 | 1. What are the cache actions that checked first to determine if information is there?
* If it is, information used directly from the cache (fast)
* If not, data copied to cache and used there
1. What is the difference between Asymmetric clustering and Symmetric clustering? Then draw the Clustered System.
* Asymmetric clustering has one machine in hot-standby mode
* Symmetric clustering has multiple nodes running applications, monitoring each other
1. Which of the following instructions should be privileged?
* Set value of timer.
* Clear memory.
* Turn off interrupts.
* Modify entries in device-status table.
* Access I/O device.
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| Q2 | 1. Draw the block diagram of the transition from User to Kernel Mode?
2. List the process management activities?
* Scheduling processes and threads on the CPUs
* Creating and deleting both user and system processes
* Suspending and resuming processes
* Providing mechanisms for process synchronization
* Providing mechanisms for process communication
* Providing mechanisms for deadlock handling
 |  |

Q1: B)



Q2: A)

