|  |  |  |
| --- | --- | --- |
| Q1 | 1. What are the three main goals of an operating system
* Execute user programs and make solving user problems easier
* Make the computer system convenient to use
* Use the computer hardware in an efficient manner
1. Draw the four components of a computer system
2. 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.
 |  |
| Q2 |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

1. What are the main advantages of multiprocessor systems?
* Increased throughput
* Economy of scale
* Increased reliability
1. What is the difference between Asymmetric and Symmetric Multiprocessing? Then draw the Symmetric multiprocessing architecture.
* Asymmetric Multiprocessing – each processor is assigned a specie task.
* Symmetric Multiprocessing – each processor performs all tasks
 |  |

Q1: B)



Q2: B)

