

**QUESTION BANK**  
**OPERATING SYSTEMS (CSE210)**  
**MODULE 1**

Text Book

“Abraham Silberschatz, Peter Baer Galvin and Greg Gagne, “Operating System Concepts”, 9th Edition, John Wiley and Sons Inc., 2012”.

<b>S. No</b>	<b>Questions</b>	<b>Text Book Page No.</b>	<b>Bloom’s Level</b>
<b>1</b>	<b>Define</b> operating system and <b>list</b> the various services provided by operating system.	<b>3, 55</b>	Knowledge
<b>2</b>	<b>Distinguish</b> among the following types of OS by defining their essential properties. a. Batch Processing b. Multiprogramming c. Time sharing system d. Clustered system e. Parallel system f. Distributed system g. Real time system	<b>13</b>	Comprehension
<b>3</b>	“Operating System is a Resource Manager and Control Program”. <b>Explain</b> this statement with suitable functionality of Operating System.	<b>4</b>	Comprehension
<b>4</b>	<b>List</b> the objectives of operating system?	<b>4</b>	Knowledge
<b>5</b>	<b>Explain</b> the abstract view of computer system components with neat diagram.	<b>4</b>	Comprehension
<b>6</b>	<b>Describe</b> various system components of Operating System.	<b>24-31</b>	Knowledge
<b>7</b>	<b>List</b> the advantages of peer-to-peer systems over client-server systems?	<b>38</b>	Knowledge
<b>8</b>	<b>Explain</b> how can we prevent users from accessing other users’ programs and data?	<b>30</b>	Comprehension

<b>9</b>	<b>Discuss</b> about the evolution of virtual machines. Also explain how virtualization could be implemented in operating systems.	<b>40</b>	Comprehension
<b>10</b>	<b>Define</b> a System call. What is its purpose? Discuss various System calls.	<b>62-69</b>	Knowledge
<b>11</b>	<b>Demonstrate</b> the three methods for passing parameters in system call to the OS.	<b>62-69</b>	Application
<b>12</b>	<b>Explain</b> different operating system structures with neat sketch.	<b>78</b>	Knowledge
<b>13</b>	<b>Explain</b> how protection is provided for the hardware resources by the operating system.	<b>21</b>	Comprehension
<b>14</b>	<b>Define</b> Process and its types. What is PCB? Explain process states with neat diagram.	<b>105</b>	Knowledge
<b>15</b>	<b>Explain</b> direct and indirect communications of message passing system	<b>122</b>	Comprehension