

<div><div>Question 1</div><div>The First variation of Readers-Writers Problem in which no reader kept waiting unless writer has permission to use shared object has</div><div>Selected Answer: <div><div></div><div>2</div></div>. Starvation for writer process</div><div>Correct Answer: <div><div></div><div>2</div></div>. Starvation for writer process</div></div>	1 out of 1 points
<div><div>Question 2</div><div>In this Linux protection command (<code>-rwxr-xr-x</code>), what is the permission mode for group to pubic_executable file?</div><div>Selected Answer: <div><div></div><div>3</div></div>. Read, execute</div><div>Correct Answer: <div><div></div><div>3</div></div>. Read, execute</div></div>	1 out of 1 points
<div><div>Question 3</div><div>Storing parameters in a block or stack instead of passing them in registers to the OS is because</div><div>Selected Answer: <div><div></div><div>1</div></div>. this way do not limit the number or length of parameters being passed</div><div>Correct Answer: <div><div></div><div>1</div></div>. this way do not limit the number or length of parameters being passed</div></div>	1 out of 1 points
<div><div>Question 4</div><div>..... model is faster because the communication is under the control of the processes not the operating system</div><div>Selected Answer: <div><div></div><div>1</div></div>. Shared memory</div><div>Correct Answer: <div><div></div><div>1</div></div>. Shared memory</div></div>	1 out of 1 points
<div><div>Question 5</div><div>End, abort, load, execute are some examples of which system call type?</div><div>Selected Answer: <div><div></div><div>3</div></div>. Process control</div><div>Correct Answer: <div><div></div><div>3</div></div>. Process control</div></div>	1 out of 1 points
<div><div>Question 6</div><div>Non-preemptive kernel is</div><div>Selected Answer: <div><div></div><div>3</div></div>. Free of race condition</div><div>Correct Answer: <div><div></div><div>3</div></div>. Free of race condition</div></div>	1 out of 1 points
<div><div>Question 7</div><div>1. In the indirect interprocess communication, what is A referred to, in the system call <code>send (A , message)</code></div><div>Selected Answer: <div><div></div><div>3</div></div>. Address of receiver</div><div>Correct Answer: <div><div></div><div>2</div></div>. Mailbox</div></div>	0 out of 1 points
<div><div>Question 8</div><div>The main objective of multiprogramming is to</div><div>Selected Answer: <div><div></div><div>1</div></div>. maximize CPU utilization</div><div>Correct Answer: <div><div></div><div>1</div></div>. maximize CPU utilization</div></div>	1 out of 1 points
<div><div>Question 9</div><div>OS services mostly accessed by programs via Application Programming Interface (API) rather than direct system call use because:</div><div>Selected Answer: <div><div></div><div>3</div></div>. Both answer 1 & 2 are true</div><div>Correct Answer: <div><div></div><div>3</div></div>. Both answer 1 & 2 are true</div></div>	1 out of 1 points
<div><div>Question 10</div><div>Loadable Kernel is implemented in the structure</div><div>Selected Answer: <div><div></div><div>2</div></div>. Modules</div><div>Correct Answer: <div><div></div><div>2</div></div>. Modules</div></div>	1 out of 1 points
<div><div>Question 11</div><div>.....Selects which processes should be brought into the ready queue</div><div>Selected Answer: <div><div></div><div>2</div></div>. Long-term scheduler</div><div>Correct Answer: <div><div></div><div>2</div></div>. Long-term scheduler</div></div>	1 out of 1 points
<div><div>Question 12</div><div>spends more time doing computations; few very long CPU bursts</div><div>Selected Answer: <div><div></div><div>3</div></div>. CPU-bound process</div><div>Correct Answer: <div><div></div><div>3</div></div>. CPU-bound process</div></div>	1 out of 1 points
<div><div>Question 13</div><div>Multiple systems working together are called</div><div>Selected Answer: <div><div></div><div>2</div></div>. clustered systems</div><div>Correct Answer: <div><div></div><div>2</div></div>. clustered systems</div></div>	1 out of 1 points
<div><div>Question 14</div><div>get time or date, set time or date are some examples of which system call type?</div><div>Selected Answer: <div><div></div><div>3</div></div>. Information maintenance</div><div>Correct Answer: <div><div></div><div>3</div></div>. Information maintenance</div></div>	1 out of 1 points
<div><div>Question 15</div><div>In the direct symmetry addressing communication, what is Q referred to, in the system call: send(Q , message)</div><div>Selected Answer: <div><div></div><div>2</div></div>. Address of receiver</div><div>Correct Answer: <div><div></div><div>2</div></div>. Address of receiver</div></div>	1 out of 1 points
<div><div>Question 16</div><div>A system in which CPU switches jobs so frequently that users can interact with each job while it is running, creating interactive computing called</div><div>Selected Answer: <div><div></div><div>1</div></div>. multitasking</div><div>Correct Answer: <div><div></div><div>1</div></div>. multitasking</div></div>	1 out of 1 points
<div><div>Question 17</div><div>One of the system goals that should taking into account when implement OS is</div><div>Selected Answer: <div><div></div><div>1</div></div>. easy to design</div><div>Correct Answer: <div><div></div><div>1</div></div>. easy to design</div></div>	1 out of 1 points
<div><div>Question 18</div><div>The one program running at all times on the computer is</div><div>Selected Answer: <div><div></div><div>1</div></div>. Kernel</div><div>Correct Answer: <div><div></div><div>1</div></div>. Kernel</div></div>	1 out of 1 points
<div><div>Question 19</div><div>1. Consider process 1 and process 2, to ensure that statement 1 happens before statement 2 as follow: process 1: statement 1; signal(synch); process 2: wait(synch); statement 2; a semaphore "synch" must be initialized to:</div><div>Selected Answer: <div><div></div><div>a</div></div>. 0</div><div>Correct Answer: <div><div></div><div>a</div></div>. 0</div></div>	1 out of 1 points
<div><div>Question 20</div><div>a. There is a dual mode operation in modern computer systems that is used for:</div><div>Selected Answer: <div><div></div><div>1</div></div>. Protection</div><div>Correct Answer: <div><div></div><div>1</div></div>. Protection</div></div>	1 out of 1 points
<div><div>Question 21</div><div>Programming interface to the services provided by the OS</div><div>Selected Answer: <div><div></div><div>1</div></div>. System Calls</div><div>Correct Answer: <div><div></div><div>1</div></div>. System Calls</div></div>	1 out of 1 points
<div><div>Question 22</div><div>1. The output of LINE A is : <pre>int value = 5; int main() {pid t pid; pid = fork(); if (pid == 0) { /* child process */ value += 10; return 0; }else if (pid > 0) { /* parent process */ wait(NULL); value += 5; printf("value = %d",value); /* LINE A */ return 0; }}</pre></div><div>Selected Answer: <div><div></div><div>1</div></div>. value = 10</div><div>Correct Answer: <div><div></div><div>1</div></div>. value = 10</div></div>	1 out of 1 points
<div><div>Question 23</div><div>_____ is a program stored in ROM and is responsible to load operating system kernel to main memory and starts execution</div><div>Selected Answer: <div><div></div><div>3</div></div>. bootstrap</div><div>Correct Answer: <div><div></div><div>3</div></div>. bootstrap</div></div>	1 out of 1 points
<div><div>Question 24</div><div>The interrupt that generated by the software are called</div><div>Selected Answer: <div><div></div><div>1</div></div>. exception</div><div>Correct Answer: <div><div></div><div>1</div></div>. exception</div></div>	1 out of 1 points
<div><div>Question 25</div><div>Handheld computers want an operating system that cares more about</div><div>Selected Answer: <div><div></div><div>2</div></div>. optimizing battery life</div><div>Correct Answer: <div><div></div><div>2</div></div>. optimizing battery life</div></div>	1 out of 1 points
<div><div>Question 26</div><div>Child process that has finished or terminated, but its parent didn't invoke wait() to collect its status is</div><div>Selected Answer: <div><div></div><div>2</div></div>. Zombie</div><div>Correct Answer: <div><div></div><div>2</div></div>. Zombie</div></div>	1 out of 1 points
<div><div>Question 27</div><div>System programs that provide text editors to create and modify files are under this category:</div><div>Selected Answer: <div><div></div><div>2</div></div>. File modification</div><div>Correct Answer: <div><div></div><div>2</div></div>. File modification</div></div>	1 out of 1 points
<div><div>Question 28</div><div>A critical section is a program segment:</div><div>Selected Answer: <div><div></div><div>3</div></div>. Where shared resources are accessed synchronically</div><div>Correct Answer: <div><div></div><div>3</div></div>. Where shared resources are accessed synchronically</div></div>	1 out of 1 points
<div><div>Question 29</div><div>..... distributing threads across cores, each thread performing unique operation</div><div>Selected Answer: <div><div></div><div>2</div></div>. Task parallelism</div><div>Correct Answer: <div><div></div><div>2</div></div>. Task parallelism</div></div>	1 out of 1 points
<div><div>Question 30</div><div>Shared computer wants an operating system that cares more about</div><div>Selected Answer: <div><div></div><div>2</div></div>. maximize resource utilization</div><div>Correct Answer: <div><div></div><div>2</div></div>. maximize resource utilization</div></div>	1 out of 1 points