Program: BE Electronics & Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ETC605 and Course Name: Operating System

Time: 1 hour Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

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| Q1.  | Which one of the following is not a real time operating system? |
| Option A: | Windows CE |
| Option B: | RT Linux |
| Option C: | Palm os |
| Option D:  | Kali linux os |
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| Q2. | Which of the following is not system call of file manipulation. |
| Option A: | Create File |
| Option B: | Delete File |
| Option C: | Set system Data |
| Option D: | Set File attribute |
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| Q3. | Which of the following is not a system call : |
| Option A: | Chmod |
| Option B: | Open |
| Option C: | Lseek |
| Option D: | Getc |
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| Q4. | Which of the following process scheduling algorithm may lead to starvation |
| Option A: | FIFO |
| Option B: | Round Robin |
| Option C: | Shortest Job Next |
| Option D: | LRU |
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| Q5. | Find The Average Wating time And Turn-around Time for the process : p1,p2,p3,p4,p5 and the burst time is 4,64,26,10,2 using SJF Scheduling. |
| Option A: | 21.5 |
| Option B: | 26.5 |
| Option C: | 21.2 |
| Option D:  | 55.6 |
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| Q6. | Find The Average Wating time And Turn-around Time for the process : p1,p2,p3,p4 and the burst time is 10,4,5,3 and arrival time is 1,2,3,4 using FcFs Scheduling. |
| Option A: | 5.5,6.6ms |
| Option B: | 9.25,7.5ms |
| Option C: | 14.75,9.25 |
| Option D:  | 25.2,15.7 |
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| Q7.  | When process state transition takes place from new to ready, then there \_\_\_\_\_\_\_\_ comes in picture for scheduling process. |
| Option A: | Short-term Schedular |
| Option B: | Long-term schedular |
| Option C: | Medium-term schedular |
| Option D:  | Context switching |
|  |  |
| Q8.  | \_\_\_\_\_\_\_\_\_\_\_\_policy, a low priority process has to be suspend its execution if high priority process is waiting in the same queue for its execution |
| Option A: | Preemptive schedular |
| Option B: | Non-Preemptive schedular |
| Option C: | Long term schedular |
| Option D:  | Interactive and batch process |
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| Q9. | What will happen in the single level directory? |
| Option A: | All files are contained in different directories all at the same level |
| Option B: | All files are contained in the same directory |
| Option C: | Depends on the operating system |
| Option D:  | all files must have unique owners |
|  |  |
| Q10.  |  All users in a group get \_\_\_\_\_\_\_ access to a file. |
| Option A: | Different |
| Option B: | similar |
| Option C: | same |
| Option D:  | single |
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| Q11.  |  The \_\_\_\_\_\_\_\_ keeps state information about the use of I/O components. |
| Option A: | CPU |
| Option B: | OS |
| Option C: | kernel |
| Option D:  | shell |
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| Q12.  | RAID level 1 refers to \_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | disk arrays with striping |
| Option B: | disk mirroring |
| Option C: | both disk arrays with striping and disk mirroring |
| Option D: | disk striping |
|  |  |
| Q13. |  An asynchronous call \_\_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | returns immediately, without waiting for the I/O to complete |
| Option B: | does not return immediately and waits for the I/O to complete |
| Option C: | consumes a lot of time |
| Option D:  | is too slow |
|  |  |
| Q14.  |  When we log in, the UNIX places us in a directory, called \_\_\_\_\_\_ directory |
| Option A: |  home |
| Option B: |  main |
| Option C: |  parent |
| Option D:  |  current |
|  |  |
| Q15. |  Which process is immediately set up by the kernel when we log on to a UNIX system? |
| Option A: |  shell |
| Option B: |  parent |
| Option C: |  shell |
| Option D:  |  bash |
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| Q16.  | Using the \_\_\_\_\_\_ account of a UNIX system, one can carry out administrative functions. |
| Option A: |  root |
| Option B: |  administrative |
| Option C: |  user |
| Option D:  |  client |
|  |  |
| Q17. | Which of the below stores device files ? |
| Option A: | /etc/ |
| Option B: | /bin/ |
| Option C: | /dev/ |
| Option D: | /root/ |
|  |  |
| Q18. | What is the function of chown command in Linux |
| Option A: | Creates a thread |
| Option B: | Creates a child process |
| Option C: | Changes the mode of operation to kernel mode |
| Option D:  | Changes the users and/or group ownership of each given file |
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| Q19.  | What can be used to setup a firewall on a Linux system? |
| Option A: | netstat |
| Option B: | route |
| Option C: | trace |
| Option D:  | ipchains |
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| Q20. | The OS which is not based on Linux is  |
| Option A: | BSD |
| Option B: | Ubuntu |
| Option C: | Cent Os |
| Option D: | Red hat |
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| Q21. | Which of the following is the intermediate between the hardware and the shell in Linux operating system |
| Option A: | Kernel |
| Option B: | Ram disk |
| Option C: | Bios |
| Option D:  | Logs |
|  |  |
| Q22.  | Event latency is : |
| Option A: | the amount of time an event takes to occur from when the system started |
| Option B: | the amount of time from the event occurance till the system stops |
| Option C: | the amount of time from event occurance till the event crashes |
| Option D:  | the amount of time that elapses from when an event occurs to when it is serviced. |
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| Q23. | The disadvantage of real addressing mode is : |
| Option A: | there is a lot of cost involved |
| Option B: | time consumption overhead |
| Option C: | absence of memory protection between processes |
| Option D:  | restricted access to memory locations by processes |
|  |  |
| Q24.  | Time required to synchronous switch from the context of one thread to the context of another thread is called |
| Option A: | threads fly-back time |
| Option B: |  jitter |
| Option C: | context switch time |
| Option D:  | back time |
|  |  |
| Q25. | In rate monotonic scheduling |
| Option A: | shorter duration job has higher priority |
| Option B: | longer duration job has higher priority |
| Option C: | priority does not depend on the duration of the job |
| Option D:  | same priority |
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