**Question 1**

1. Ordinarily, if you type xy on the Linux command line, what happens?

|  |  |  |
| --- | --- | --- |
|  |  | You get a display of the x and y coordinates of the screen cursor |
|  |  | You get an error message saying that no such command can be found |
|  |  | Nothing is displayed, the shell prompt reappears |
|  |  | The results of the xy command are displayed on screen |
|  |  | None of the above |

4 points

**Question 2**

1. What is a portable operating system?

|  |  |  |
| --- | --- | --- |
|  |  | An operating system that is used in systems that need response to an input within a fixed interval of time, such as the controller of a robot in a manufacturing plant |
|  |  | Another name for a batch system |
|  |  | One that runs  on many different machines |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 3**

1. A virtual machine

|  |  |  |
| --- | --- | --- |
|  |  | appears to the user, and, to the software running on it, as a complete physical machine. |
|  |  | consists of the programs, files, hardware and software on a computer hardware system. |
|  |  | runs programs intended for other operating systems. |
|  |  | is all of the software system available to run on an operating system. |

4 points

**Question 4**

1. Device-independent input and output in a Linux system means:

|  |  |  |
| --- | --- | --- |
|  |  | that the operating system is virtual and runs on a remote server. |
|  |  | that input and output can be redirected to any appropriate device. |
|  |  | that the operating system kernel will run on any computer. |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 5**

1. Linux shell commands can be arranged in a file commonly called a:

|  |  |  |
| --- | --- | --- |
|  |  | shell script |
|  |  | batch file |
|  |  | macro |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 6**

1. Which of the following is a common Linux shell?

|  |  |  |
| --- | --- | --- |
|  |  | Bourne Again Shell |
|  |  | TC Shell |
|  |  | Z Shell |
|  |  | Debian Almquist Shell |
|  |  | All of the above. |

4 points

**Question 7**

1. What is a command line interface?

|  |  |  |
| --- | --- | --- |
|  |  | a text-only terminal window |
|  |  | a display with no graphics capability |
|  |  | an interface which accepts keyboard entry only. |
|  |  | all of the above |
|  |  | None of the above |

4 points

**Question 8**

1. The X Window System was developed at

|  |  |  |
| --- | --- | --- |
|  |  | Microsoft Labs |
|  |  | The IBM Watson Research Labs |
|  |  | The MIT |
|  |  | University of California at Berkely |
|  |  | None of the above |

4 points

**Question 9**

1. Currently, the most challenging issue in operating system design

|  |  |  |
| --- | --- | --- |
|  |  | Security |
|  |  | Communication |
|  |  | Multitasking |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 10**

1. Linux was written in

|  |  |  |
| --- | --- | --- |
|  |  | 1999 |
|  |  | C |
|  |  | Bell Labs |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 11**

1. POSIX stands for

|  |  |  |
| --- | --- | --- |
|  |  | Process Service in UNIX |
|  |  | Pubic OS for X Developers |
|  |  | Portable Operating System Interface |
|  |  | None of the above |

4 points

**Question 12**

1. What is a GUI?

|  |  |  |
| --- | --- | --- |
|  |  | A Graphical User Interface |
|  |  | Is implemented in Linux by X Windows |
|  |  | Allows a point and click style of interaction. |
|  |  | All of the above |

4 points

**Question 13**

1. BSD and System V are examples of:

|  |  |  |
| --- | --- | --- |
|  |  | Microsoft Windows Releases |
|  |  | VMS |
|  |  | UNIX |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 14**

1. Linux commands can be constructed as a pattern using special characters called:

|  |  |  |
| --- | --- | --- |
|  |  | substitutes |
|  |  | generics |
|  |  | jokers |
|  |  | wildcards |
|  |  | None of the above |

4 points

**Question 15**

1. What is a link file?

|  |  |  |
| --- | --- | --- |
|  |  | A logical connection between multiple computers on a network |
|  |  | a means to access a file by two or more names. |
|  |  | A physical connection to an external device |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 16**

1. What is a file?

|  |  |  |
| --- | --- | --- |
|  |  | the text for a report |
|  |  | an image |
|  |  | an executable program |
|  |  | All of the above |
|  |  | None of the above |

4 points

**Question 17**

1. Linux is

|  |  |  |
| --- | --- | --- |
|  |  | A software system derived from MS Windows. |
|  |  | An operating system originally written by engineers at IBM. |
|  |  | A version of Unix System V. |
|  |  | None of the above |

4 points

**Question 18**

1. The most essential thing that a beginner needs to know before operating in Linux is:

|  |  |  |
| --- | --- | --- |
|  |  | How to log in and log out |
|  |  | How to work with the API |
|  |  | How to program in C |
|  |  | All of the above |

4 points

**Question 19**

1. A Linux pipeline

|  |  |  |
| --- | --- | --- |
|  |  | passes the output of one program to another program as input. |
|  |  | is also known as an alias |
|  |  | A network connection between Linux systems and other operating systems. |
|  |  | None of the above |

4 points

**Question 20**

1. File security in Linux is provided by

|  |  |  |
| --- | --- | --- |
|  |  | file access permissions |
|  |  | anti-virus software such as Windows Defender |
|  |  | Linux Filesystem Hierarchy (FHS) |
|  |  | All of the above |

4 points

**Question 21**

1. The Linux kernel

|  |  |  |
| --- | --- | --- |
|  |  | is responsible for allocating the computer's resources and scheduling user jobs |
|  |  | is a collection of application software packages |
|  |  | is a collection of computer hardware and software assembled into a functioning unit. |
|  |  | All of the above |

4 points

**Question 22**

1. An operating system

|  |  |  |
| --- | --- | --- |
|  |  | Manages hardware resources in a computer system |
|  |  | Manages software resources in a computer system |
|  |  | Deals with complex hardware resources in a computer system and provides the user a virtual image of the machine that is much easier to deal with than the physical machine |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | An operating system |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | All of the above | |  |  |  |

** Question 23**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Linux was developed by |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Linus Torvalds | |  | Linus Torvalds |  |  |  | | --- | --- | | Response Feedback: | That is correct | |  |  |  |

** Question 24**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What is a multitasking operating system? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Allows each user to run more than one job at a time. | |  |  |  |

** Question 25**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The C Programming Language was developed by |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Dennis Ritchie | |  |  |  |