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Linux Essentials – Chapter 02 Exam Answers 2019 + PDF file

1. **The Samba application is a:**
   - **File Server***
   - Web Server
   - Security Server
   - Mail Server

2. **Which of the following are examples of desktop software? (choose two)**
   - Web server
   - File share
   - **Web browser***
   - **Music player***
   - Compiler

3. **If you wanted to set up a blog, which software would be most helpful?**
   - **WordPress***
   - MySQL
   - Samba
   - Postfix
   - Dovecot

4. **Which of the following pieces of software deal with file sharing? (choose three)**
   - **Netatalk***
   - **NFS***
   - X-Windows
   - **Samba***
   - PostgreSQL

5. **If you wanted to create and print an invoice, which software could you use?**
   - Evolution
   - Firefox
   - GNOME
   - Compiz
   - **LibreOffice***

6. **POP and IMAP are related to:**
   - Sharing files

- **Email***
- Reading and writing music
- Serving web pages
- Letting users log in to multiple servers with 1 set of credentials

7. **When a computer boots, it can get its network information through:**
   - X11
   - DNS
   - **DHCP***
   - LDAP
   - SMTP

8. **Which of the following are examples of text editors? (choose four)**
   - **pico***
   - **emacs***
   - yum
   - **vim***
   - **nano***

9. **A package manager: (choose two)**
   - **Downloads software from the Internet***
   - Emails you when software is out of date
   - **Keeps track of which files belong to which packages***
   - Can optionally repartition your disk to make room for Linux
   - Performs a fresh install of Linux

10. **An interpreted programming language: (choose two)**
    - Takes fewer resources to run than a compiled language
    - **Tends to offer more features than compiled languages***
    - **Is converted into machine specific instructions as the program runs***
    - Requires a linking step but no compilation step
    - Requires a compilation step but no linking step

11. **Which of the following are true about compiled programming languages?**
    - Compiled languages are great for system administration tasks like scripting
    - **C is a compiled language***
    - Ruby is a compiled language
    - Perl is a compiled language
    - A programmer is usually more productive when using a compiled language

12. **Which package manager is used in Fedora, a Red Hat derived system?**
    - vim

- tar
- apt-get
- bash
- **yum***

13. **The Linux shell: (choose three)**
    - **Has a scripting language***
    - Has a built in text editor
    - Is responsible for tracking the location of configuration files
    - **Is customizable***
    - **Allows you to launch programs***

14. **Which application would you use to edit and piece together sound files to make podcast?**
    - GIMP
    - Bash
    - Thunderbird
    - **Audacity***
    - Audiolicious

15. **The two main families of Linux shells are: (choose two)**
    - Python Shell
    - Korn shell
    - emacs
    - **Bourne Shell***
    - **C Shell***

16. **Which server software would you use to create a company directory that you could search and authenticate against?**
    - ISC DHCP
    - Netatalk
    - **OpenLDAP***
    - bind
    - Samba

17. **A Mail Transfer Agent's primary purpose is to:**
    - Filter out spam
    - Manage the end user's inbox
    - Serve email to end clients
    - **Deliver mail between servers***
    - Act as a gateway between faxes and email

18. **Which of the following are examples of a web server? (choose two)**
  - postfix
  - NFS
  - **Nginx***
  - WordPress
  - **Apache***

19. **If you wanted to let a Linux machine share files with Windows clients and servers, you would use:**
  - Netatalk
  - DNS
  - **Samba***
  - NFS
  - bind

20. **Richard Stallman is associated with:**
  - The Open Source Initiative
  - Microsoft
  - **The Free Software Foundation***
  - BSD Unix
  - The Apache foundation

21. **A "copyleft provision" in a software license means:**
  - **If you redistribute the software, you must distribute the source to any changes you make***
  - You may not link against third party closed source software
  - You must provide free copies of the software if you use it
  - You must provide support for your modifications
  - You give up your copyright to the software

22. **The largest difference between the GPLv2 and BSD licenses is:**
  - GPLv2 is not approved by the OSI
  - Only BSD allows commercial use
  - Nothing, they are virtually identical
  - **BSD has no copyleft provision***
  - GPLv2 requires assigning copyright to the FSF

23. **The Free Software Foundation believes that: (choose two)**
  - **Software should be free to modify***
  - No money should ever change hands
  - **Software should be free to share***

- People should write software with no expectation of making money
- Software should not have copyright

24. **Which of the following licenses was made by the FSF?**
- MIT
- BSD
- **GPLv3***
- Creative Commons
- Apache

25. **A permissive free software license: (choose two)**
- **Means you can use the software for anything you want***
- Does not allow the software to be locked to certain hardware
- **Places no restrictions on sharing modifications***
- Places the software in the public domain
- Requires you share software changes but not binaries

26. **Linux is distributed under which license?**
- Linux Foundation
- MIT
- BSD
- **GPLv2***
- GPLv3

27. **Who founded the Open Source Initiative? (choose two)**
- Richard Stallman
- University of California at Berkeley
- **Eric Raymond***
- Linus Torvalds
- **Bruce Perens***

28. **A generic term for Open Source and Free Software is:**
- SLOFF
- Libre Software
- **FLOSS***
- GPL
- OS/FS

29. **Which are examples of permissive software licenses? (choose two)**
- GPLv3
- GPLv2
- LGPLv3

- **MIT***
- **BSD***

30. **What does it mean when a work is placed in the public domain?**

- The work was done by a government agency
- The author has died
- You must redistribute changes to the software
- You may not use the work for commercial purposes
- **The author has relinquished the copyright on the work***

31. **Creative Commons licenses allow you to: (choose three)**

- **Specify whether or not people may distribute changes***
- Receive royalties on the use of the work
- **Specify whether or not changes must be shared***
- **Allow or disallow commercial use***
- Get a veto on where the work is used

32. **If a podcast is licensed under the CC BY-ND license, you may: (choose two)**

- Use an interview or song from it for your own podcast
- **Post it to your website***
- Add ads to it and post it to your website.
- **Share it as long as you give credit to the author***
- Sell it as part of a compilation

33. **How can you make money from open source software? (choose three)**

- Charge a yearly fee for the right to use the software
- **Take payments for fixing bugs***
- **Sell hardware that's built to work with the software***
- **Provide paid consulting services for users***
- Unlock premium features for people that pay

34. **To place software under an open source license, you must give up your copyright.True
or False?**

- True
- **False***

35. **The difference between the GPL and LGPL licenses are:**

- LGPL is shorter than GPL
- **LGPL allows linking to non GPLed software***
- LGPL applies to web services
- LGPL was made by the OSI while GPL was made by the FSF
- LGPL allows you to distribute the software in binary-only form

36. **Permissive free software licenses: (choose three)**
   - Are not approved by the OSI
   - **Are not approved by the FSF***
   - Include the GPLv2 and BSD
   - **Can allow software to be used inside closed source software***
   - **Don't have a copyleft provision***

37. **The Creative Commons version of Public Domain licensing is:**
   - Attribution-NonCommercial-ShareAlike
   - Attribution-NonCommercial
   - Attribution
   - NoAttribution-ShareAlike
   - **No Rights Reserved***

38. **Your company makes a hardware firewall that runs a custom Linux kernel. What are your obligations under GPLv2?**
   - You must ensure your custom kernel runs on a regular Intel machine
   - **You must make the source to your kernel available***
   - There are no requirements
   - You must make the source to your custom web interface available
   - You must make your hardware designs available

39. **Participating in open source projects can improve your technical skills, even if it is not your day job.**
   True or False?
   - **True***
   - False