

29/11/2022

VCD-

-F.Y.B.Sc(C.S.) - Sem I - FOSS – 2 1/2 Hours– 75 Marks

Q.1 Attempt All.

(15 Marks)

A. Multiple Choice Question :

1. Most commercial software program enjoy a form of intellectual property protection called _____.

- a. Copyright b. Patent c. Copyleft d. Trademark.

2. GPL stands for _____.

- a. General Public License b. Global Public License
c. GNU Public License d. GNU Permissive License

3. FOSS stands for _____.

- a. Free Open Source System b. Free Open Source Software
c. Free Object Source System d. Free Object Software System.

4. OSI stands for _____.

- a. Open System Interchange b. Open Source Initiative
c. Open Source Interchange d. Open System Interconnection.

5. _____ is an example of closed source software.

- a. Python b. Joomla c. MySQL d. Microsoft Office.

B. Fill in the blanks:

(Websites , Sun Microsystem IDE for Java , Richard Stallman , Android , Open Source Software, Linux, Android, Desktop/free)

1. _____ is software where source code is available for modification to everyone.
2. Eclipse is _____ software.
3. FSF founded by _____.
4. _____ is one of the Desktop-dedicated open source operating system.
5. VMware is a _____ software.

C. Answer the following question:

1. What is GPL?
2. What is Containerization?
3. What is GNU-debugger?
4. What do you mean by open source ethics ?
5. Write short note on Public Domain Software.

Q.2. Attempt the following (Any Three)**(15 Marks)**

1. Distinguish between Free & Open Source Software.
2. List and explain principle of open source.
3. Explain with example the concept of shared software.
4. What is free software? List and explain its four freedom.
5. Write short notes on i) Apache license ii) LGPL License.
6. What are the problems with traditional commercial software?

Q.3. Attempt the following (Any Three)**(15 Marks)**

1. What is GitHub?
2. Explain terms:
a) Open Source Design b) GDB.
3. Explain five key components of Open Office.
4. Explain with a diagram, the working of open source teaching method.
5. Explain five key components of Open Office.
6. What are steps to contribute to Wikipedia?

Q.4. Attempt the following (Any Three)**(15 Marks)**

1. Explain feature of Linux operating system.
2. What is Debugger?
3. Explain IDE?
4. List advantage of Virtualization.
5. Explain any two open source database technologies.
6. Give features of Android.

Q.5. Attempt any three**(15 Marks)**

1. Explain open i) Linux ii) Mozilla
2. List the feature of GCC
3. Give advantage of Wordpress.
4. What do you mean by Docker?
5. List the benefits of using open source in government.