

S.NO: 6792

P 22 ITE 1 B

(For candidates admitted from 2022 - 2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Information Technology - Elective
OPEN SOURCE TECHNOLOGIES

Time: 3 Hours

Maximum Marks : 75

SECTION- A (20 Marks)

Answer ALL Questions

I (A) MULTIPLE CHOICE QUESTIONS (5 x 1 = 5)

1. Public domain software is usually _____
 - a) System supported
 - b) Source supported
 - c) Community supported
 - d) Programmer supported
2. Set of a program which consists of full documentation.
 - a) Software Package
 - b) System Software
 - c) Utility Software
 - d) File package
3. Interpreter is used as a translator for?
 - a) Low level language
 - b) High Level Language
 - c) Machine level language
 - d) voice recognition
4. What do you call a specific instruction designed to do a task?
 - a) Command
 - b) Process
 - c) Task
 - d) Instruction
5. They normally interact with the system via user interface provided by the application software.
 - a) Programmers
 - b) Developers
 - c) Users
 - d) Testers

(B) FILL IN THE BLANKS (5 x 1 = 5)

6. Richard Stallman from MIT, established a special license, the _____ license.
7. In 1969 AT&T laboratories developed _____ which supported and worked on different hardware platforms.
8. Which program runs first after booting the computer and loading the GUI _____.
9. What type of commands are required to perform various tasks in DOS _____.
10. Which of the following operating systems do you use for a client-server network _____.

H. ANSWER ALL QUESTIONS (5X2=10 Marks)

11. Write the example of open-source application?
12. Define modularity in OST.
13. Mention the features of Joomla.
14. Name the FOSS PROJECT breaks their version number into 3 pieces.
15. Define open Solaris.

SECTION – B (5X5 =25 Marks)

ANSWER ALL QUESTIONS ,CHOOSING EITHER (A) OR (B)

16. (A) Explain the principles of OSS.
(OR)
(B) What is free software? How it is different from OSS?
17. (A) Explain about open source software development.
(OR)
(B) What is zero marginal cost? Explain.
18. (A) How to test open source code?
(OR)
(B) Explain about the collaboration community and communication.
19. (A) Write the differences between open source and closed source.
(OR)
(B) Describe about the ethics of open source.
20. (A) What is debuggers? Explain.
(OR)
(B) Explain in open source database technologies.

SECTION – C (3X10 =30)

ANSWER ANY THREE QUESTIONS

21. Explain in details about open source operating system.
22. Describe about the open source as a business strategy.
23. Explain about starting and maintaining own open source project.
24. What is FOSS licenses? Write the importance of FOSS licenses.
25. Explain in details about free software foundation and the GNU project.
