

ques (1)

(2½ Hours)

[Total Marks: 75]

23

- N.B. 1) All Questions are compulsory.
2) Figures to the right indicate full marks.
3) Mixing of sub questions is not allowed.

Q1 Attempt All(Each of 5 marks)

(15)

a. Multiple choice Questions:

- i) FSF stands for _____
 - a. Free software founder
 - b. Free source foundation
 - c. Free system foundation
 - d. Free software foundation
- ii) MySql is an licensed under _____
 - a. GPL
 - b. Microsoft
 - c. GNU GPL
 - d. LGPL
- iii) Wikipedia is created by _____
 - a. Eric Raymond
 - b. Richard Stallman
 - c. Dennis Ritchie
 - d. Jimmy Wales
- iv) _____ is granting the permission to use intellectual property rights such as trademark or patents.
 - a. Licensing
 - b. Licensor
 - c. Licensee
 - d. License
- v) _____ is an Open Source programming language.
 - a. Java
 - b. C#
 - c. Turbo C
 - d. Python

b. Fill in the blanks:

(Wikimedia Foundation, Free Software Foundation, Personal Computer Systems, Mobile system, wordpress, Docker, Mozilla foundation, software, Apache Foundation IDE for java, operating system, redistribute copies, study)

- i) Netbeans is _____ software.
- ii) _____ is a free software used to create and manage websites.
- iii) Andriod is operating system for _____
- iv) Freedom 2 refers to _____.
- v) Firefox is developed by _____.

c. Short answer (Attempt all):

- i) Copyleft.
- ii) Patent.
- iii) Open source design.
- iv) Open source Hardware.
- v) Containerization

Q2. Attempt the following (Any THREE):

(15)

- a. Explain history of open source.
- b. Write a note on Apache FOSS license.
- c. List and explain problems of commercial software's.
- d. Describe the role of open source in government.
- e. Explain open source initiative.
- f. What are the various income generation opportunities of open source software's?

- Q3. Attempt the following (**Any THREE**): (15)
- Write a note on GCC.
 - What are the steps to contribute to Wikipedia?
 - Discuss about Apache web server.
 - Describe open source teaching.
 - Explain with diagram open source developmental model.
 - What is communication and etiquettes, Explain.
- Q4. Attempt the following (**Any THREE**): (15)
- Explain FreeBSD operating system.
 - Describe the following-
 - IDE
 - Debugger
 - Write a note on Android operating system.
 - Discuss virtualization along with its types.
 - Explain docker technology.
 - Describe in brief LAMP.
- Q5. Attempt the following (**Any THREE**): (15)
- What are the principles of open source software?
 - Explain public domain software.
 - Write a note on Drupal.
 - Discuss about open source media.
 - Explain any two open source database technologies.
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