

[Time:2.30 Hrs]

[Marks:75]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. Figures to the right indicate full marks.
 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.

- Q.1 Attempt any 4 questions: 20M
- 1) What do you mean by Free software? What are the four essential freedoms of free software?
 - 2) Differentiate between Open source and Closed source.
 - 3) Differentiate between Free software and Open-source software.
 - 4) What are the principles of open source?
 - 5) Explain Copyrights and Copyleft.
 - 6) What is a License? Write note on important FOSS Licenses.
- Q. 2 Attempt any 4 questions: 20M
- 1) What is the Android operating system?
 - 2) Write a case study on Mozilla Firefox.
 - 3) Write a case study on Licensing.
 - 4) Write a case study on Drupal.
 - 5) Write a case study on Open-source hardware.
 - 6) Write a case study on GCC.
- Q.3 Attempt any 4 questions: 20M
- 1) What is open-source database software?
 - 2) Explain LAMP.
 - 3) Write a note on IDEs.
 - 4) Explain different development tools.
 - 5) Write a note on Dockers and Containers.
 - 6) Explain Virtualization technologies.
- Q.4 Attempt any 3 questions: 15M
- 1) What are the social and financial impacts of open source technology?
 - 2) What is Shared Software?
 - 3) Write a case study on mode of funding.
 - 4) Write a case study on GitHub.
 - 5) Write a note on Open Solaris.
 - 6) Explain FreeBSD.
