

Time: 2½ hrs.

Marks:75

Note:

1. All questions are compulsory with internal choice.
2. Draw neat diagrams wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 Answer the following (any four) (20)**
- (a) What are the Needs of Open Source Software ?
 - (b) What is free software? Explain the freedom in detail?
 - (c) List out the requirements for software as open standards.
 - (d) What is a license? How to create licenses?
 - (e) What is meant by copyright?
 - (f) What is shared software? Give its examples.
- Q.2 Answer the following (any four) (20)**
- (a) What is meant by Zero Marginal Cost? Discuss about copyleft.
 - (b) Explain benefits of Drupal.
 - (c) Write down the history of open-source initiatives.
 - (d) How can a hardware be open?
 - (e) Explain about open-source software and its development.
 - (f) Discuss in details about Patent and Laws.
- Q.3 Answer the following (any four) (20)**
- (a) Write a note on Linux.
 - (b) Explain types of Virtualization Techniques.
 - (c) Explain different types of Open source database technology.
 - (d) Define and Explain use of Open Source Database ?
 - (e) Write in detail about BSD with Suitable example
 - (f) Explain any two Open offices software.
- Q.4 Answer the following (any Five) (15)**
- (a) What is a shared source?
 - (b) Define OST.
 - (c) Explain the following :-LAMP
 - (d) Write a short note on Word Press.
 - (e) Write any 3 testing tools.
 - (f) Explain IDEs Debuggers.

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