

**2011000305030048**  
**EXAMINATION OCTOBER 2024**  
**BACHELOR OF SCIENCE (FIFTH SEMESTER)**  
**OPEN SOURCE TOOLS - LEVEL 3**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

- 1. Fill up strictly the following details on your answer book**
  - a. Name of the Examination : **BACHELOR OF SCIENCE (COMPUTER SCIENCE) (FIFTH SEMESTER)**
  - b. Name of the Subject: **OPEN SOURCE TOOLS – LEVEL 3**
  - c. Subject Code No: **2011000305030048**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer the following questions.**

**14**

1. What are the characteristics of open-source software?
2. What is the difference between open-source and closed-source software?
3. Explain the concept of shared resources in computing.
4. Define the concept of FOSS.
5. What is the significance of testing tools in open-source development?
6. What are some disadvantages of using Linux?
7. Explain the concept of conversions of selection in GIMP.

**Q.2 Answer the following questions.**

**12**

1. Write a note on open-source project development and design.
2. What are the advantages and disadvantages of open-source software?

**OR**

**Answer the following questions.**

**12**

1. Write a note on Linux and its features.
2. Explain the concept of shared resources and how they can be misused.

**Q.3 Answer the following questions. 12**

1. Write a note on open-source project maintenance.
2. How is GIMP useful for image editing? Provide examples of its features.

**OR**

**Answer the following questions. 12**

1. Write a note on open-source software used in academic settings.
2. What are the social impacts of open-source software?

**Q.4 Answer the following questions. 12**

1. Write a note on tools and their uses provided by GIMP.
2. Write a note on any one open-source software, explaining its roles and features.

**OR**

**Answer the following questions. 12**

1. Explain the concept of freedom in free software.
2. Explain the different roles that layers play in GIMP.

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