


RAN-2011000305030048

T. Y. B. Sc. (Computer Science) (Sem. - V) Examination October - 2025
Open Source Tools (Old) Paper - 507-1

Time: 2 Hours]
[Total Marks: 50
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature

Q. 1. Answer the following questions. (14)

- State the core purpose of the open source Definition.
- What is a linux?
- Define open source Teaching Platform with an example.
- Which dialog in GIMP is used to create and manage smooth color transitions and how?
- Name any four Linux OS.
- What is the difference between a pattern and a gradient in GIMP?
- Name two key ethical principles behind the open-source movement.

Q. 2. Answer the following questions. (12)

- Describe the process of initiating a new open-source project.
- Write a note on the role of documentation in open-source project maintenance.

OR

Q. 2. Answer the following questions. (12)

- Discuss the advantages open-source technologies in government sector.
- Compare the open source initiative vs licensed software.

Q. 3. Answer the following questions. (12)

- Write a note on the concept of open source hardware and its impact on innovation.
- Explain how shared software resources can lead to better software development.

OR

Q. 3. Answer the following questions. (12)

- Which major challenges face by large enterprise in case of adopting open-source software?
- Write a note on the social impact of open source program in spreading digital literacy.

Q. 4. Answer the following questions. (12)

- Explain the different types of masks available in GIMP and a role of each.
- Describe the steps to load, edit, and save an image in GIMP for a print publication.

OR

Q. 4. Answer the following questions. (12)

- What are the primary features and capabilities of GIMP. Explain types of images it supports.
- Write a note on the color dialog in GIMP and its use in adjusting image properties.