



Seat No _____

BACHELOR OF COMPUTER APPLICATION-CS Examination
BCA SEMESTER-3 NOVEMBER 2025 (NEP) NOVEMBER - 2025

CS-19: OPEN SOURCE TOOLS

Faculty Code : 017

Subject Code : 24CS-BCAP-AE-03-03001

Time : 1 Hours]

[Total Marks : 25

Q.1 Attempt any two of the following.

- (1) What is open source software? Explain principles and application of open source software. 10
- (2) What is open source licenses? Explain type of licensing.
- (3) What is licenses and contracts ?Explain contract and license related issues for Open source .
- (4) Explain ubuntu operating system in detail.

Q.2 Attempt any two of the following.

- (1) What is version control system? Explain types of version control system. 10
- (2) Explain Git fundamentals, repositories, commits, branches and merges.
- (3) Explain trello for project planning, task tracking and team collaboration.
- (4) Explain issue tracking, pull requests, code reviews.

Q.3 Attempt any one of the following.

- (1) Explain Apache any 3 case studies on it. 5
- (2) Explain Linux and any 3 case studies on it.

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