



24CS-BCAP-AE-03-03001

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. 10
- (1) What is open source software? Explain principles and application of open source software.
  - (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. 10
- (1) What is version control system? Explain types of version control system.
  - (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. 5
- (1) Explain Apache any 3 case studies on it.
  - (2) Explain Linux and any 3 case studies on it.