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.

Follow @shyamsireducation 7600301012 www.shyamsireducation.in