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**BCAOSSN 301**

**Third Semester B.C.A. Degree Examination, February/March 2023  
(NEP-2020)**

**(2022-2023 Batch Onwards)**

**OPEN SOURCE TOOLS**

**(Skill Enhancement Course)**

Time : 2 Hours

Max. Marks : 30

**Note : Answer all questions from Part – A and any one full question from each Module of Part – B.**

PART – A

(12×1=12)

1. a) What is open source ?
- b) Mention any two rights of open source software.
- c) Give two examples for free software.
- d) What is public domain ?
- e) List the four participants in OSS development projects.
- f) Write any two tools used for open source development.
- g) What is License ?
- h) What is Copy left ?
- i) List any four free software license provider.
- j) What is Mozilla Firefox ?
- k) Expand GCC and FSF.
- l) Write any two features of Open Office.

P.T.O.



PART – B

Module – 1

- 2. a) Explain any three criteria of “distribution terms” of open source software.  
b) Write a note on BSD. (3+3)
  
- 3. a) Write the differences between proprietary and open source licensing model.  
b) Explain any three free software license providers. (3+3)

Module – 2

- 4. a) Write a note on software engineering methodology.  
b) What is Copyright ? Explain. (3+3)
  
- 5. a) Write a note on open source software development.  
b) Define Patent. Write a note on it. (3+3)

Module – 3

- 6. a) Write a note on history and features of Apache.  
b) How Wikipedia works ? Explain. (3+3)
  
  - 7. a) What is Joomla ? Explain.  
b) What are the components of open office ? Explain. (3+3)
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