



Mulleruk.

**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)  
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Continuous Internal Assessment Test-I August 2024**  
**Semester V**

**Class : III UG**  
**Major : Computer Applications**

**Time :2 hours**  
**Max. Marks:60**

**21BCAC21 Open Source Technologies**

**Course Outcomes:**

1. Apply the principles of Open source software.
2. Design real time applications using Open source.
3. Develop skill sets in Open source tools.
4. Able to apply the concepts of Open source in solving problems.
5. Ability to build and modify free and open source software packages.

**Part A**

**6 x 1 = 6**

**Choose the correct answer**

1. The term FLOSS is associated with \_\_\_\_\_ software. CO1K1  
a. Open source    b. Close source    c. Both    d. Proprietary CO1K1
2. Public domain software is usually \_\_\_\_\_ supported. CO2K1  
a. System    b. Source    c. Programmer    d. Community CO2K2
3. In which year the free software movement was launched? CO2K2  
a. 1984    b. 1993    c. 1983    d. 1998 CO3K1
4. Traditional software engineering follows \_\_\_\_\_ model. CO3K1  
a. Cathedral    b. Bazaar    c. Prototyping    d. Incremental CO3K2
5. In software version, what does the three pieces 2.x.y mean? CO3K2  
a. point, major, minor    c. major, point, minor  
b. minor, major, point    d. major, minor, point
6. Richard Stallman from MIT, established a special license, the \_\_\_\_\_ license. CO3K2  
a. GNU    b. Free    c. Package    d. Commercial

**Part B**

**3 x 6 = 18**

**Answer should not exceed 400 words or two pages**

7. a. Compare Closed software, Free Software and Open Source Software. CO1K1  
(or) CO1K2
7. b. Explain the Public Domain Software. CO2K1
8. a. Describe the Open Source Software principles and methodologies. CO2K3  
(or) CO2K1
8. b. Write short notes on Copyright. CO2K1
9. a. Why is copyleft so important? CO3K3  
(or) CO3K3
9. b. List the features of open source hardware.

**Part C**

**3 x 12 = 36**

**Answer should not exceed 800 words or four pages**

10. a. Explain the emergence and features of BSD, FSF and GNU project. CO1K1  
(or) CO1K3
10. b. Discuss Open Source Development Model. CO2K1
11. a. Explain the types of licences and how each is different from others. CO2K3  
(or) CO2K3
11. b. Discuss about Patent, its types and importance. CO3K2
12. a. Describe the steps to start and maintain an open source project. CO3K2  
(or) CO3K2
12. b. Describe the steps in designing an Open source project.

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