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**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore- 641043  
Continuous Internal Assessment Test II - October 2025  
Semester-V**

**Class : III UG (2019 & 2022 Repeater )  
Major : Computer Applications**

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

**18BCAC21/21BCAC21 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. Which of the following is referred to as Pajamas Media? CO3K1  
a. Open Source Media   b. Shared Media   c. Learning Objects   d. Online Media
2. Which platform leverages emerging technologies to support shared learning and community development? CO3K1  
a. Learning Objects   b. Open Source Teaching   c. Shared Source   d. Open Source Media
3. Which term describes the use of open source software technologies within traditional government operations, such as voting? CO4K1  
a. Open Source Politics                      b. Open Source Government  
c. Open Source Freedom                      d. Open Source Movement
4. The \_\_\_\_\_ is a branch of philosophy that seeks to apply ethical theories to practical, real-life situations. CO4K1  
a. Descriptive Ethics   b. Meta-Ethics   c. Open Source Ethics   d. Applied Ethics
5. Which of the following is an example of closed source software? CO5K1  
a. Wikipedia   b. Microsoft Windows   c. Linux   d. Mozilla Firefox
6. The collection of compilers created for multiple programming languages by the GNU Project is called: CO5K1  
a. GCC   b. OSC   c. GNU   d. GCS

**Part B**

**(3 x 6 = 18)**

**Answer ALL Questions**

**Each answer should not exceed 400 words**

7. a. What is Open Source Media? List the key principles governing Open Source media. CO3K1  
(or)
- 7.b. Explain how open source software is utilized in government organizations. CO4K2
- 8.a. Assess the advantages and disadvantages of shared software and shared source. CO4K3  
(or)
- 8.b. Discuss the social and economic impacts of open source technology. CO5K1
- 9.a. Write a brief note on Wikipedia. CO5K5  
(or)
- 9.b. Explain the architecture of Moodle. CO5K3

**Part C**  
**Answer ALL questions**  
**Each answer should not exceed 800 words**

**(3 x 12 = 36)**

- 10.a. Describe how Open Source Teaching functions and explain its structural-framework. CO3K3  
(or)
- 10.b. Explain the concept and principles of Open Source Design. CO3K3
- 11.a. Explain Open Source Ethics in detail. CO4K3  
(or)
- 11.b. Compare and contrast Open Source and Closed Source software. CO5K4
- 12.a. Describe the main characteristics of the Linux operating system. CO5K4  
(or)
- 12.b. Explain why Open Office is advantageous. Discuss its history, features, development, and benefits in detail. CO5K1

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**Staff In-charge : Mrs. J. Sangeetha Priya**  
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