UPES

End Semester Examination, May 2024

Course: OSS for Industries **Semester:** VIII

Program: BTech CSE (All specialization) **Time** : 03 hrs.

Course Code: CSOS4003P **Max. Marks: 100**

Instructions: Attempt all questions

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Explain what an open source hosting site is and provide an example.	4	CO3
Q 2	Describe what NRCFOSS is and its purpose.	4	CO1
Q 3	Explain how tools in open source projects facilitate software development.	4	CO2
Q 4	Describe the functionalities that LibreOffice offers.	4	CO2
Q 5	Provide examples of how open-ness in hardware can be applied in real-world technology projects.	4	CO4

SECTION B
(4Qx10M= 40 Marks)

Q 6	Describe the differences between open source and closed source software.	10	CO1
Q 7	Analyze the factors that lead industries to adopt open source software over proprietary solutions.	10	CO4
Q 8	Analyze how the criteria for open source licenses affect the modification and redistribution rights of the software.	10	CO3
Q 9	Describe the features of a specific open source mailing list management software. **OR** Outline the initial considerations a company should make before integrating OSS.	10	CO2

	SECTION-C (2Qx20M=40 Marks)		
Q 10	Explain the social and financial benefits that open source technology brings to businesses and communities.	**20**	**CO2**
Q 11	Discuss how current research trends in open source technology could potentially impact the development of new software applications. **OR** Provide examples of companies that have improved their products and services through active participation in open source communities.	**20**	**CO4**