PRN:		Course Code:	UCA305

Second Year **B.C.A** End Semester Examination Summer 2024

Open Source Technologies

Day and Date: 4 JUN 2024, Tue Max Marks: **100**

Time: 10:30AM To 01:30PM Duration: **03** hrs.

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Compare proprietary s/w vs. free s/w and free s/w vs. open source.	08	L4	CO1
	b)	Identify open source standards.	08	L3	CO1
		OR			
	b)	Why OSS is successful explain.	08	L1	CO1
Q.2		**Attempt the following**			
	a)	What is License? Explain different important FOSS Licenses.	08	L1	CO2
	b)	Define concept of copyrights and copy lefts.	08	L1	CO2
		OR			
	b)	Summarize concept Philosophy: Software freedom.	08	L2	CO2
Q.3		**Attempt any two from the following**			
	a)	Explain Open Source Hardware concept in detail.	08	L2	CO3
	b)	Explain concept of GitHub. How to interact with the community on GitHub.	08	L2	CO3
	c)	Define concept of Open-source Teaching, Open-source media.	08	L1	CO3
Q.4		**Attempt any two from the following**			
	a)	Construct difference between Open source and closed source.	08	L3	CO3
	b)	Explain the concept of Open source Government.	08	L2	CO3
	c)	Outline concept of Wikipedia. How to contribute to Wikipedia.	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Identify the features of Open Solaris OS with explanation of the concept of Open Solaris OS.	09	L3	CO4
	b)	Discover the LAMP components.	09	L4	CO4
	c)	Simplify the concept of Open-Source Hardware.	09	L4	CO4
Q.6		**Attempt any Two of the following**			
	a)	Outline case study on GNU/Linux.	09	L2	CO4
	b)	Identify the steps of OSS development model.	09	L3	CO4
	c)	Outline case study on Mozilla (Firefox).	09	L2	CO4

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