PRN:		Course Code:	UCA305

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

Open Source Technologies 000692

Day and Date: Wed 27 NOV 2024 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)	What is Open source? Explain principles of open source.	08	L1	CO1
	b)	Identify open source standards.	08	L3	CO1
		OR			
	b)	Compare proprietary s/w vs free s/w and free s/w vs open source s/w.	08	L2	CO1
Q.2		**Attempt the following**			
	a)	Identify the steps for creation of own public license and also explain concept of License.	08	L3	CO2
	b)	Summarize concept Philosophy: Software freedom.	08	L2	CO2
		OR			
	b)	Define concept of copyrights and copy lefts.	08	L1	CO2
Q.3		**Attempt any two from the following**			
	a)	Explain concept of GitHub. How to interact with the community on GitHub.	08	L2	CO3
	b)	Summarize different Communication etiquette which should be followed while communicating on GitHub.	08	L2	CO3
	c)	How to maintain an open source project.	08	L1	CO3
Q.4		**Attempt any two from the following**			
	a)	Distinguish between Open source and closed source.	08	L4	CO3
	b)	Outline concept of Wikipedia. How to contribute to Wikipedia.	08	L2	CO3
	c)	Explain the concept of Open source Government.	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Classify different Virtualization Technologies.	09	L2	CO4
	b)	Simplify the concept of Open-Source Hardware.	09	L4	CO4
	c)	Identify the features of Open Solaris OS with explanation of the concept of Open Solaris OS.	09	L3	CO4
Q.6		**Attempt any Two of the following**			
	a)	Identify different mode of funding.	09	L3	CO4
	b)	Define commercial use of software.	09	L1	CO4
	c)	Outline case study on Android.	09	L2	CO4

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