PRN:		Course Code:	UCA305

Second Year **B.C.A** End Semester Examination Winter 2023

Open Source Technologies

Day and Date: Tuesday, 05/12/2023 Max Marks: **100**

Time: 2.00 pm to 5.00 pm 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)	Compare proprietary s/w vs. free s/w and free s/w vs. open source s/w.	08	L2	CO1
		OR			
	b)	Identify open source standards.	08	L3	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)	How to maintain an open source project.	08	L1	CO3
	b)	Summarize different Communication etiquette which should be followed while communicating on GitHub.	08	L2	CO3
	c)	Explain concept of GitHub. How to interact with the community on GitHub.	08	L2	CO3
Q.4		**Attempt any two from the following**			
	a)	Outline concept of Wikipedia. How to contribute to Wikipedia.	08	L2	CO3
	b)	Distinguish between Open source and closed source.	08	L4	CO3
	c)	Explain the concept of Open source Government.	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Simplify the concept of Open-Source Hardware.	09	L4	CO4
	b)	Classify different Virtualization Technologies.	09	L2	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)	Define case study on BSD.	09	L3	CO4
	b)	Identify different mode of funding.	09	L1	CO4
	c)	Outline case study on Android.	09	L2	CO4

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