SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

M.Tech. (Computer Science and Engineering) (I-Year/ I -Semester)
Continuous Assessment Test 2, DEC 2024
Block Chain and Crypto Currency (P23CSE104)

Day and Date: Friday/06.12.2024

Time: 9.00 am to 10.40 am

Year/Sem/Sec: I / I

Max. Marks- 40

Instructions:

IMP: Verify that you have received question paper with correct course, code, branch etc.

i) All questions are compulsory.
ii) Figure to the right indicate full marks.
iii) Assume suitable data wherever necessary.

Course Outcomes:

CO3 – Understand about Cryptocurrency(K3)
CO4 – Illustrate the cryptocurrency regulation. (K4)
Knowledge Level: K1–Remember, K2–Understand, K3–Apply, K4–Analyze &K5–Evaluate

		Marks	B.L	CO's
	PART A (5 x 2 =10 Marks)			
	Answer all the Questions			
Q.1	Define Smartcontract	2	2	CO3
Q.2	Define GHOST	2	2	CO3
Q.3	List out the various bitcoin protcocols	2	2	CO3
Q.4	Define Stakeholder	2	2	CO4
Q.5	List out the various applications of IOT	2	2	CO4
	PART B (3x10 = 30 Marks)			
	Answer any three Questions			
Q.6	Illustrate about Vulnerability and attacks	10	3	CO3
Q.7	Describe in detail about history of cryptocurrency	10	3	CO3
Q.8	Explain in detail about Medical Record Management System	10	2	CO4
Q.9	Explain in detail about Domain name service and future of blockchain	10	2	CO4

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M.Tech. (Department of Computer Science and Engineering) (I Year/ I Semester)
Continuous Assessment Test-02, Dec-2024
Cloud and Big Data Analytics (P23CST102)

Date and Day:07-12-24 / Saturday
Time: 9.00 to 10.40 am

Max. Marks- 40

CO3:. Illustrate the fundamental concepts of network virtualization and geo-distributed cloud.
CO4: Identify Big Data and its Business Implications

Instructions:

IMP: Verify that you have received question paper with correct course, code, branch etc.

i) All questions are compulsory.

ii) Figure to the right indicates full marks.

iii) Assume suitable data wherever necessary.

Q.No	PART A (5 x 2 =10 Marks)	Marks	B.L	CO's
	Answer all the Questions			
Q.1	What is server virtualization?	2	K1	CO3
Q.2	What is Docker?	2	K2	CO3
Q.3	What is the role of the SDN controller?	2	K2	CO3
Q.4	What are the three types of digital data?	2	K2	CO4
Q.5	What is Big Data Analytics?	2	K2	CO4 .
	PART B (3 x 10 =30 Marks)			
	Answer any three Questions			
Q.6	Explain the architecture and working of SDN with a neat diagram.	10	K2	CO3
Q.7	Explain Docker's networking model with examples.	10	K3	CO3
Q.8	Describe the architecture of Hadoop with a detailed diagram.	10	K3	CO4
Q.9	Describe the process of analyzing large datasets using Hadoop, with an example workflow.	10	K2	CO4

Research Methodology

Part - A

1. what is Effective technical writing?

2. Outline the steps involved in developing a research proposal.

3. List the patent assessment process by a review committee

4. Specify IPR.

5. List the types of patents.

Part - B

11. Outline the process involved in writing a paper.

12. Discuss the general format of a research patent.

13. Exemplify about copyrights and the importance of copyrights and trademark.

14. outline the process in granting a patent.