R-20

Code: 20DF34T

M.C.A. lll Semester Supplementary Examinations Aug/Sept 2022
Big Data Analytics

Max. Marks: 60   Time: 3 Hours
Answer *all five* units by choosing one question from each unit (5 x 12 = 60 Marks)
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			Marks	CO	Blooms Level
		UNIT–I			
1.	a)	Explain the different drivers of Big Data Analytics.	6M	CO1	L2
	b)	Explain any 3 applications of Big Data Analytics.	6M	CO1	L2
		OR			
2.	a)	Discuss briefly about Expanding Universe of Unstructured Data.	6M	CO1	L2
	b)	Define Big Data. Explain the four V's of Big Data Analytics.	6M	CO1	L1
		UNIT–II			
3.	a)	Explain the following concepts:			
		(i)Data Discovery	3M	CO2	L2
		(ii)Open Source Technology for Big Data Analytics.	3M	CO2	L2
	b)	Discuss briefly about Crowd Sourcing Analytics.	6M	CO2	L2
		OR			
4.	a)	Explain how R&D Approach helps to adopt to New Technology.	6M	CO2	L1,L2
	b)	Explain the Evolution of Data Science with a neat diagram.	6M	CO2	L2
		UNIT–III			
5.	a)	List out the various Professional Traits required for Decision Sciences.	6M	CO3	L1
	b)	Explain the Best Practices for Big Data Analytics	6M	CO3	L2
		OR			
6.	a)	Explain the Roles of Data Scientists	6M	CO3	L2
	b)	What are the major skills of Data Scientists according to Conway's formulation? Explain with a neat diagram.	6M	CO3	L1,L2
		UNIT–IV			
7.	a)	Explain the following concepts:			
		i) Discovery using Data at Rest. ii) Big Data Governance.	6M	CO4	L2
	b)	Describe briefly Analytics Business Maturity Model.	6M	CO4	L2
		OR			
8.	a)	Discuss Real Time Architecture for Conversation with an example.	6M	CO4	L2
	b)	Define Orchestration. Explain the Orchestration and Synthesis Using Analytics Engines.	6M	CO4	L1,L2
		UNIT–V			
9.	a)	What is Hadoop Map Reduce? Explain the components of Hadoop Map Reduce.	6M	CO5	L1,L2
	b)	Explain the Anatomy of Hadoop Map Reduce.	6M	CO5	L2
		OR			
10.	a)	List and explain the advantages of Hadoop Map Reduce.	6M	CO5	L1,L2
	b)	Explain the building blocks of Hadoop Map Reduce.	6M	CO5	L2

****END****