

MST-I (October-2022)
B. Tech (CSE) VII Semester

Subject Code: CDV 4025

Duration: 90 min

Subject Name: Real World Scalable Architectures

Max. Marks: 50

Note: Question Paper consists of two parts (Part-A and Part-B).

All Questions are compulsory in Part-A.

Answer any THREE Questions from Part-B

PART A:(10*2)

S. No	Question(s)	Course Learning Outcome
1.	What are data sources? Give examples	CLO1
2	Give an overview of big data. Give case studies	CLO4
3	What are the types of data stores?	CLO4
4	What are the data lakes? Explain in detail	CLO3
5	What is data integration?	CLO2
6	What is streaming architecture?	CLO5
7	Explain sample kafka. Explain it's types.	CLO1
8	Explain the real time reporting	CLO2
9	What is the concept of kappa architecture?	CLO4
10	What is single speed layer? Give detailed diagram	CLO3

PART B:(10*3)

S. No	Question(s)	Course Learning Outcome
1	What are the lambda architectures?	CLO1
2	How fault tolerance works?	CLO2
3	What is CEP. How it works?	CLO3
4	What is stream? Explain in detail with types	CLO4