

Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: System Monitoring Program: B.Tech CSE (DevOps) Course Code: CSDV 4006		Semester: VIII Time : 03 hrs. Max. Marks: 100	
Instructions: There are two Sections. Attempt all sections.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q1.	Explain the importance of early problem detection.	4M	CO1
Q2.	Explain the terms time granularity and metric aggregation.	4M	CO2
Q3.	State the benefits of using end user monitoring.	4M	CO2
Q4.	Discuss the various types of alerts that may be used to draw operator's attention.	4M	CO3
Q5.	Explain the role of NOC in DevOps world.	4M	CO3
SECTION B (4Qx10M= 40 Marks)			
Q6.	“A prediction is a quantitative forecast containing a degree of uncertainty about future levels of resources or phenomena leading to their utilization.” Comment	10M	CO3
Q7.	Elaborate on the factors that make monitoring difficult.	10M	CO4
Q8.	Define the terms: Agent, Alarm, Alert, Data Input, Data Point.	10M	CO4
Q9.	Develop an alerting loop to showcase the process of alerting. OR Explain flattening effect using examples.	10M	CO1
SECTION-C (2Qx20M=40 Marks)			
Q10.	With the help of a diagram explain the Alert Traige Process.	20M	CO5
Q11.	“For a vast majority of timeseries, data point values change all the time, but only some of the times are they significant enough to be noticed and categorized as anomalies.” Comment OR “The third fundamental feature of alarming is aggregation”. Using the statement explain alarming and its importance.	20M	CO2