

Name:

Enrolment No:



UPES

End Semester Examination, May 2024

Course: System Monitoring  
Program: BTech CS All Branches  
Course Code: CSDV 4002P

Semester: VIII  
Time : 03 hrs.  
Max. Marks: 100

Instructions: Internal choice in Q9 and Q11

SECTION A  
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Define roles and responsibilities of NOC	4	CO1
Q 2	Name the prominent key performance indicators	4	CO2
Q 3	List out visualization tools for each type of monitoring	4	CO5
Q 4	Define Telemetry	4	CO1
Q 5	Nagios is an open source continuous monitoring tool. Write few benefits of it.	4	CO5

SECTION B  
(4Qx10M= 40 Marks)

Q 6	End user monitoring is looking upon user's behavior or activities while using the application. It is categorized into three types, describe each of them in detail	10	CO2
Q 7	Differentiate agent vs agentless monitoring, reactive vs proactive monitoring, and cloud vs on-premise monitoring	10	CO3
Q 8	Why is alert triage crucial for effective monitoring? Explain the process and its benefits in detail.	10	CO5
Q 9	Describe the few components on which application monitoring focuses and its metrics. Define dependency monitoring with respect to application.  OR Elaborate the network and security aspect of monitoring along with challenges faced in infrastructure monitoring.	10	CO3

**SECTION-C**  
**(2Qx20M=40 Marks)**

Q 10	Log monitoring is one of the important aspect of monitoring.Differentiate between Log monitoring vs Log analysis.Also write down the purpose and benefits of log analysis alongwith some of the best practices.	<b>20</b>	<b>CO4</b>
Q 11	Write notes on <b>any 3</b> a) benefits of end user monitoring b) Scope of AI in monitoring c)Devops approach to monitoring d) Continuous monitoring e) Available tools to do monitoring	<b>20</b>	<b>CO1,C O5</b>