


Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2021

Course: System Monitoring Program: B. Tech. CSE BigData Course Code: CSDV 4002P	Semester: VIII Time 03 hrs. Max. Marks: 100
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SECTION A

- 1. Each Question will carry 5 Marks**
- 2. Instruction: Complete the statement / Select the correct answer(s)**

S. No.	Question	CO
Q 1	Which of the following consists of servers, storage devices, network, cloud management software, deployment software and platform virtualization. a. Computing Planning b. Cloud computing architecture c. Cloud computing technologies d. Cloud Infrastructure	CO4
Q2	Simulation of User's action is used in which type of monitoring. a. Infrastructure Monitoring b. Device Monitoring c. Server Side Monitoring d. Synthetic Transaction Monitoring	CO3
Q3	Which of the following types of monitoring provides the vital feedback for improving business. a. Network Monitoring b. Log Monitoring c. Application Monitoring d. End User Monitoring	CO3
Q4	An APM system reveals runtime, error rates, CPU Usage, application availability and response time. a. True b. False	CO4
Q5	Which parameters APM looks after. a. Web Performance Monitoring b. Application Availability and uptime c. Request Rates d. All of the above	CO2
Q6	The filtering of logs in log management signifies. a. Aggregating all log files to a central place b. Alerting on every entry in a log file c. Reducing alert and report data to critical events d. Maintaining terabytes of log archives in the cloud	CO4

SECTION B

- 1. Each question will carry 10 marks**
- 2. Instruction: Write short / brief notes**

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Q 7	Define the Monitoring. Identify the need of monitoring. Explain the approach of monitoring with respect to DevOps.	C04
Q 8	Illustrate application Monitoring in detail. Describe any application monitoring case study. OR Explain what Application Monitoring is. Differentiate between APM and Application monitoring in detail. Explain dependency monitoring.	C01
Q 9	Differentiate the Network vs Security Monitoring, Agent vs Agentless Monitoring, Reactive vs Proactive Monitoring.	C02
Q 10	Explain time-series databases for infrastructure monitoring with examples. Identify and explain the Infrastructure Monitoring Components and Metrics.	C03
Q 11	Explain the visualization of monitoring data. Explain in detail AI in monitoring-AIOps with diagram. List out tools for different monitoring techniques.	C02
Section C		
1. Each Question carries 20 Marks. 2. Instruction: Write long answer.		
Q12	Describe about end user monitoring along with its objectives. Describe in detail its different types. Identify various available tools for end user monitoring. OR Define the term log monitoring. Why Log Monitoring is Required. Explain various techniques around log analysis. Differentiate between log monitoring and log analysis. List the various tools available for log monitoring.	C01