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Bengaluru

Mid Term Examinations - October 2026

Date: 07/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CDV3407 **Course Name:** AIOps - AI-Driven DevOps And IT Operations

Semester: Seventh Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	54	36

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Describe the general scope of an AIOps framework within an enterprise.	2	CO1	BT2
2	Define what a "trace" is in distributed microservices telemetry.	2	CO2	BT4
3	Name the three main pillars of telemetry data used in monitoring systems.	2	CO2	BT4
4	What is the key difference between traditional monitoring and modern observability?	2	CO1	BT2
5	State the purpose of noise reduction in data analysis.	2	CO2	BT4

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain how AIOps concepts support continuous feedback within DevOps development pipelines.	10	CO1	BT2
7	Discuss how the scope of AIOps shifts an operation center from being reactive to being proactive	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain how correlation engines look at timestamps and time proximity to connect different infrastructure alerts.	10	CO2	BT4
9	Describe the concept of incident clustering and how it simplifies a massive breakdown into a single ticket.	10	CO2	BT4

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain the primary roles of the Data Source Layer and the Analysis Layer within an AIOps architecture.	10	CO1	BT2
11	Compare logs and metrics as telemetry data types, explaining when an engineer would use each.	10	CO2	BT4

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT

12	Explain how IT operations have evolved from manual monitoring to modern AIOps systems.	10	CO1	BT2
13	Describe the role AIOps plays in improving IT Service Management (ITSM) helpdesk workflows.	10	CO1	BT2