Roll No: | | | | | | | | | | | |

PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
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Bengaluru

Mid Term Examinations - October 2026

Date: 05/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CDV3403 **Course Name:** Infrastructure as Code (IaC) with Terraform And Ansible

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

CO - Levels	CO1	CO2
Marks	46	44

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Define Infrastructure as Code (IaC).	2	CO1	BT1
2	List any two benefits of IaC.	2	CO1	BT1
3	State any two challenges of Infrastructure as Code.	2	CO1	BT1
4	What is a Terraform provider?	2	CO2	BT1
5	Define a Terraform resource with an example.	2	CO2	BT1

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain the concept of Infrastructure as Code (IaC) and describe its evolution from traditional infrastructure management to cloud-based automation.	10	CO1	BT2
7	Explain the benefits and challenges of Infrastructure as Code in cloud infrastructure management.	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain the different categories of IaC tools with suitable examples.	10	CO1	BT2
9	Explain cloud infrastructure and resource provisioning with suitable examples from AWS, Microsoft Azure, and Google Cloud.	10	CO1	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain Terraform providers and resources with suitable configuration examples.	10	CO2	BT2
11	Explain Terraform input variables, local values, and outputs with suitable examples.	10	CO2	BT2

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
12	Explain the different methods of passing values to Terraform variables with suitable examples.	10	CO2	BT2

13	Explain Terraform modules and describe the role of root modules, child modules, inputs, and outputs.	10	CO2	BT2