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

PRESIDENCY UNIVERSITY

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Bengaluru

Mid Term Examinations - October 2026

Date: 08/10/2026 **Time:** 02:00 PM - 03:30 PM

Course Code: CSA3806 **Course Name:** Project Management and MLOps

Semester: Fifth 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	Identify the role of MLOps in managing machine learning models.	2	CO1	BT1
2	Why should missing values be analyzed during EDA?	2	CO1	BT2
3	Why should AI systems protect user privacy?	2	CO1	BT2
4	If two team members use different versions of a dataset, what problem can occur, and how can DVC help?	2	CO2	BT2
5	What is the role of GitHub Actions in an ML workflow?	2	CO2	BT1

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain the systematic process followed in developing an AI/ML solution and show the sequence of activities using a neat diagram	10	CO1	BT1
7	Analyze the approach used to identify, assess, monitor, and manage risks in an Agile project. Also explain the strategies adopted to reduce or handle identified risks.	10	CO1	BT3

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain the major ethical AI practices and compliance standards that help organizations develop and deploy responsible, transparent, and trustworthy AI systems.	10	CO1	BT2
9	Discuss how global AI regulatory standards and frameworks help organizations ensure responsible AI development and deployment (6) Explain the major organizational challenges involved in implementing and maintaining AI compliance. (4)	10	CO1	BT1

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain the purpose and key features of a Version Control System. Also describe the steps and Git commands used to create a new branch and merge it into the main branch.	10	CO2	BT2
11	What is the role of Data Version Control in machine learning projects? Discuss its significance and illustrate its working with a suitable example.	10	CO2	BT2

PART E: Answer Any 1 Following Questions. 10 M				
Q.N.	**Questions**	**M**	**CO**	**BT**
12	How does DVC help in tracking datasets, experiments, and model versions in a machine learning project? Illustrate the process with a suitable example.	10	CO2	BT3
13	How can CI/CD pipelines be used to automate ML workflows using GitHub Actions or Jenkins? Illustrate the process with a suitable example.	10	CO2	BT2