

Hall Ticket No: 160923733152

Course Code: U23CM602



**LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(UGC Autonomous)

Approved by AICTE | Affiliated to Osmania University | Estd. 2003

Accredited with 'A' grade by NAAC | Accredited by NBA

B.E-VI - SEMESTER - CONTINUOUS INTERNAL EVALUATION-I (LR23), March, 2026

**COURSE NAME: Machine Learning**  
**(COMMON TO: CSE, IT, CS & CSD)**

Time: 60 Minutes

Date: 09-03-2026 (AN)

Max. Marks :20

## Instructions to the Students:

- ❖ Question No. 1 is Compulsory.
- ❖ Answer any Two Questions from Q.No.2 to Q. No. 4.
- ❖ Missing data, if any, may suitably be assumed.

Q. No.	Question	Marks	CO Mapping	Bloom Taxonomy Level
1.	a. What are the main components of a Machine Learning system?	2M	CO1	BTL1
	b. Define outlier with an example.	2M	CO2	BTL2
	c. Write the concepts of correlation and covariance and mention their respective formulas.	2M	CO3	BTL2
2.	Explain Batch Learning and Online Learning with advantages and disadvantages.	7M	CO1	BTL2
3.	Calculate the following from the data set 6, 8, 9, 11, 14: • Mean • Variance Standard Deviation.	7M	CO2	BTL1
4.	Explain regression analysis with assumptions and applications.	7M	CO3	BTL2

## Bloom's Taxonomy Levels (BTL's)

1. Remember	2. Understand	3. Apply	4. Analyze	5. Evaluate	6. Create
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