

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Course Code & Name : **23AMB201-MACHINE LEARNING**

Course Faculty : Ms.S.Rajarajeswari AP/AIML

QUESTION BANK

UNIT I

PART A – Two Mark Questions

| Q.No | Question | Industry-Based | Bloom's Level |
|------|------------------------------------------------|-----------------|---------------|
| 1 | Define Machine Learning. | Amazon & Google | Remember |
| 2 | List the types of Machine Learning. | | Remember |
| 3 | What is meant by the Machine Learning process? | | Understand |
| 4 | Define training data and testing data. | Infosys | Understand |
| 5 | What is probability theory in ML? | | Understand |
| 6 | Define a probability distribution. | | Remember |
| 7 | What is decision theory? | | Understand |
| 8 | Define bias in ML models. | | Remember |
| 9 | Define variance in ML models. | | Remember |
| 10 | What is bias–variance tradeoff? | Gate 2021 | Understand |

PART B – Sixteen Mark Questions

| Q.No | Question | Industry-Based | Bloom's Level |
|------|---------------------------------------------------------|----------------|---------------|
| 1 | Explain Machine Learning and its types with examples. | Netflix | Understand |
| 2 | Describe the complete Machine Learning process. | | Understand |
| 3 | Explain the role of probability and statistics in ML. | Infosys | Apply |
| 4 | Discuss decision theory in Machine Learning. | | Analyze |
| 5 | Explain bias, variance, and the bias–variance tradeoff. | Gate 2021 | Analyze |