**MINOR-1 EXAMINATION**

M.Tech – **CSE ( 1st-SEMESTER):** SESSION **2022-23**

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| Course Code: **MMLC-202** | Duration: **60 Min.** |
| Course Name: **Foundation of Machine Learning** | Maximum Marks: **20** |

***Instructions:***

1. *Attempt any* ***four*** *questions.*
2. *Clearly state assumptions wherever necessary.*

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| **Q. No.** | **Questions** | **MM** | **CO** | **BL** |
| **1** | What is Learning?Describe machine learning (ML), artificial intelligence (AI), and deep learning (DL)? | ***5*** | *CO1* | *L1* |
| **2** | Describe types of machine learning? | ***5*** | *CO1* | *L2* |
| **3** | Name some commonly used machine learning algorithms and terminologies of ML | ***5*** | *CO2* | *L1* |
| **4** | Describe KNN and its working, its advantages and disadvantages? | ***5*** | *CO2* | *L2* |
| **5** | What do you meant by cross-validation and why is it used in ML? Types of cross-validation techniques? | ***5*** | *CO1* | *L2* |
| **6** | Describe different types of distance used in ML with their generalized expression. What is scaling and why scaling is applied before distance calculation in ML? | ***5*** | *CO2* | *L4* |