NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute)
Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
M.Tech
FIRST YEAR (SEMESTER-II) THEORY EXAMINATION (2020-2021)
(Subjective Type)

Subject Code: AMTAI0212   **Max. Mks. : 30**

Subject: <u>Neural Network</u>   **Time   : 50 Minutes**

<u>General Instructions:</u>

All questions are compulsory.

Question No. 1 to 15 are subjective type question carrying 3 marks each. Attempt any 10 out of 15 questions.

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
1	Explain the different layers of artificial neural network.		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
2	Define what is training and testing of data set in an AI model?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
3	What is machine learning and how it is different from artificial intelligence?		Attempt any 10 questions	10 x 3=30	3		Subjective	Genius
4	What is the difference between CPU and GPU?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
5	Why training is needed in an AI model?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
6	What is reinforcement learning?		Attempt any 10 questions	10 x 3=30	3		Subjective	Genius
7	What is a classification problem?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
8	Write different types of unsupervised algorithms name?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
9	What are the advantages of modular design?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
10	What do you understand by backpropagation algorithm?		Attempt any 10 questions	10 x 3=30	3		Subjective	Genius
11	How we can eliminate the overfitting issue?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
12	Write the mathematical representation of auto associative network?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
13	Explain the different types of special networks used in ANN.		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart
14	Why people used Simulated Annealing Networks?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
15	What is Logicon Projection Network ?		Attempt any 10 questions	10 x 3=30	3		Subjective	Smart