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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)
(Objective Type)

Subject Code: AMTAI0201   **Max. Mks. : 40**
Subject: Machine Learning   **Time   : 70 Minutes**

General Instructions:
All questions are compulsory.
Question No- 1 to 5 are objective type question carrying 2 marks each.
Question No- 6 to 20 are also objective type/Glossary based question carrying 2 marks each.

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty	Correct	Option1	Option2	Option3	Option4
1	Which of the following algorithm are not an example of ensemble learning algorithm?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Decision Trees	Random Forest	Extra Trees	Gradient Boosting	Decision Trees
2	Where does the Bayes rule can be used?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Answering probabilistic query	Solving queries	Increasing complexity	Decreasing complexity	Answering probabilistic query
3	What is the name of node which take binary values TRUE (T) OR FALSE (F)?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Binary Node	Dual Node	Binary Node	Two-way Node	Ordered Node
4	Function of dendrites is:		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	Receptors	Receptors	Transmitter	Both receptor & transmitter	None of the Above
5	Which of the following are not learning methods in ML?		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	Human Prediction Learning	Supervised Learning	Human Prediction Learning	Semi-Supervised Learning	Un-Supervised Learning
6	Where does Bayes rules can be used_		Glossary I	Glossary I	2		Single Choice	Brilliant	Answering Probabilistic Queries	Artificial Neural Network	Discrete and Continous	Answering Probabilistic Queries	
7	The full form of ANN		Glossary I	Glossary I	2		Single Choice	Brilliant	Artificial Neural Network	Artificial Neural Network	Discrete and Continous	Answering Probabilistic Querie	
8	In Baysian Network Variable is		Glossary I	Glossary I	2		Single Choice	Brilliant	Discrete and Continous	Artificial Neural Network	Discrete and Continous	Answering Probabilistic Queries	
9	Support Vector Machine (SVM) can be used for_____		Glossary II	Glossary II	2		Single Choice	Brilliant	classification and Regression	classification and Regression	Line	Decision Boundaries	
10	In SVM, Hyper-plane is a_____		Glossary II	Glossary II	2		Single Choice	Smart	Decision Boundaries	classification and Regression	Line	Decision Boundaries	
11	In SVM, if the number of input features is 2, then the Hyper- plane is a _____		Glossary II	Glossary II	2		Single Choice	Smart	Line	classification and Regression	Line	Decision Boundaries	
12	A decision tree created with the aim to achieve very minimal entropy may result in_____		Glossary III	Glossary III	2		Single Choice	Brilliant	Over-Fitting	Over-Fitting	Under-Fitting	Top-Down	
13	Pre-pruning the decision tree may result in_____		Glossary III	Glossary III	2		Single Choice	Brilliant	Under-Fitting	Over-Fitting	Under-Fitting	Top-Down	
14	A decision tree is built in _____ fashion		Glossary III	Glossary III	2		Single Choice	Smart	Top-Down	Over-Fitting	Under-Fitting	Top-Down	
15	_____is used to influence a variable directly by all the others.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	Fully Connected	Complete Description of the domain	Fully Connected	Conditionally independent	
16	_____ is the consequence between a node and its predecessors while creating Bayesian Network.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	Conditionally independent	Complete Description of the domain	Fully Connected	Conditionally independent	
17	The Bayesian network provides _____		Glossary IV	Glossary IV	2		Single Choice	Smart	Complete Description of the domain	Complete Description of the domain	Fully Connected	Conditionally independent	

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18	The output at each node is called_____		Attempt All Questions	3X2=06	2		Single Choice	Smart	Node Value	Bayesian Network	Node Value	FeedBack	
19	In which ANN, _____loops are allowed.		Attempt All Questions	3X2=06	2		Single Choice	Brilliant	FeedBack	Bayesian Network	Node Value	FeedBack	
20	The full form of BN in Neural Networks is_____		Attempt All Questions	3X2=06	2		Single Choice	Smart	Bayesian Network	Bayesian Network	Node Value	FeedBack	