1). Among the following identify the one in which dimensionality reduction reduces.						
Answer:						
d) Collinearity						
2) Which of the following machine learning algorithm is based upon the idea of bagging?						
Answer:						
b) Random Forest						
3) Choose a disadvantage of decision trees among the following						
c) Decision Tree are prone to overfit						
4) What is the term known as on which the machine learning algorithms build a model based on sample data?						
Anwer:						
c) Training data						
5) Which of the following machine learning techniques helps in detecting the outliers in data						
Answer:						
c) Anamoly detection						
6). Identify the incorrect numerical functions in the various function representation of machine learning.						
Answer:						
c) Case based						
7). Analysis of ML algorithm needs						
Answer:						
d). Both a and b						
8). Identify the difficulties with the k-nearest neighbor algorithm						
Answer:						
b) Calculate the distance of test case for all training cases						

	9) The total types of the layer in radial basis function neural networks is						
Ansv	ver:						
c) 3							
10) V	Which of the following is not a supervised learning						
Ansv	nswer:						
a) PC	CA CONTRACTOR OF THE CONTRACTO						
11) V	What is unsupervised learning?						
Ansv	ver:						
â	a) Number of groups may be known						
12) \	Which of the following is not a machine learning algorithm						
Ansv	ver						
B) S\	/G						
13)_	is the scenario when the model fails to decipher the underlying trend in the input data						
Ansv	ver:						
B U	nderfitting						
	Real-Time decisions, Game AI, Learning Tasks, Skill acquisition, and Robot Navigation are ications of						
a) Re	einforcement learning						
	What is called the average squared difference between classifier predicted output and actual ut? 55) What is called the average squared difference between 55classifier						
b) M	ean squared error						
	ogistic regression is a regression technique that is used to model data having a ome.						

17) You are given reviews of few netflix series marked as positive, negative and neutral. Classifying reviews of a new netflix series is an example of						
A. supervised learning						
18) Following is powerful distance metrics used by Geometric model						
A. Euclidean distance						
19) Which of the following techniques would perform better for reducing dimensions of a data set?						
C. removing columns with dissimilar data trends						
20) Supervised learning and unsupervised clustering both require which is correct according to the						
statement.						
C. input attribute.						
21) What is the meaning of hard margin in SVM?						
(A) SVM allows very low error in classification						
Increase in which of the following hyper parameter results into overfit in Random forest? (1). Number of Trees. (2). Depth of Tree, (3). Learning Rate						
(B) Only 2						
23) Below are the 8 actual values of target variable in the train file: [0,0,0, 0, 1, 1,1,1,1,1], What is						
the entropy of the target variable						
(C) 4/10 log(6/10) + 6/10 log(4/10)						
24) Lacca can be interpreted as least squares linear regression where						
24) Lasso can be interpreted as least-squares linear regression where						
(A) weights are regularized with the l1 norm						
25) Consider the problem of binary classification. Assume I trained a model on a linearly separable training set, and now I have a new labeled data point that the model properly categorized and is far						

away from the decision border. In which instances is the learnt decision boundary likely to change if I now add this additional point to my previous training set and re-train? When the training model is,
C) Support vector machine
26) Assume you've discovered multi-collinear features. Which of the following actions do you intend to take next? (1). Both collinear variables should be removed. (2). Instead of deleting both variables, we can simply delete one. (3). Removing correlated variables may result in information loss. We may utilize penalized regression models such as ridge or lasso regression to keep such variables.
(D) Either 2 or 3
27) A least squares regression study of weight (y) and height (x) yielded the following least squares line: $y = 120 + 5x$ . This means that if the height is increased by one inch, the weight should increase by what amount?
(B) increase by 5 pound
28) The line described by the linear regression equation (OLS) attempts to?
(D) Minimize the squared distance from the points
29) For two real-valued attributes, the correlation coefficient is 0.85. What does this value indicate?
(C) As the value of one attribute decreases the value of the second attribute increases
30) Which neural network architecture would be most suited to handle an image identification problem (recognizing a dog in a photo)?
(B) Convolutional Neural Networ