MACHINE LEARNING MID QUESTION BANK

SHORT QUESTIONS

1	Define – Machine Learning
2	Define Machine Learning Process (2 to 3 marks)
3	Define – Abstraction, Generalization
4	Define – Types of Machine Learning (2 to 3 marks)
5	Define – mean, median and variance
6	Define Q1, Q2 and Q3 in box plot. (2 marks)
7	Define Histogram
8	How to handle outliers?
9	Define Dimension Reduction
10	Define Target function
11	Define model Accuracy
12	Define Kappa value
13	Define Precision and Recall
14	Define Residual error
15	Define Feature Engineering
16	Define Euclidean & Manhattan distance
17	Define Jaccard index & co efficient

Long Questions

1	Applications of Machine Learning
2	Explain Detail Process of Machine Learning
3	Explain Types of Data
4	Explain PCA in detail
5	Explain Hold out method in detail
6	Explain K fold cross validation method in detail
7	Give Difference
	Lazy Vs. Eager Learners
	Supervised Vs. Unsupervised Learners
	Underfitting Vs. Overfitting
8	Explain AUC and ROC in detail

9	Explain evaluation of unsupervised learning (silhouette coefficient)
10	Explain Ensemble method in detail
11	Explain Feature Engineering in detail
12	Explain KNN in detail