Q1) Which of the following is not one of the 5-Number summary that we can get from a box-plot?

1. Median
2. Mode
3. Min
4. Max

Your Answer: b)Mode

Q2) Which of the following data type is better suited to be used encoded by label encoder?

1. Continuous
2. Discrete
3. Nominal
4. Ordinal

Your Answer: D) ordinal

Q3) Which of the following algorithm is scale-invariant?

1. Random Forest
2. Linear Regression
3. Logistic Regression
4. KNN

Your Answer: a)Random forest

Q4) Which of the following parameter controls the depth of a decision tree?

1. random\_state
2. criterion
3. max-depth
4. tree\_height

Your Answer: C) max depth

Q5) What is the normal range of learning rate?

1. -1 to 1
2. 0 to 1
3. 0 to 0.5
4. -1 to 0

Your Answer: b)0 to 1

Q6) k-means algorithm is an example of?

1. Supervised Machine Learning
2. Unsupervised Machine Learning
3. Reinforcement Learning
4. Deep Learning

Your Answer: B) Unsupervised machine learning

Q7) Which of the following is not generally used to reduce overfitting of a model?

1. Reduce the number of features
2. Reduce the model complexity
3. Use L1 / L2 regularization
4. Increase training dataset size

Your Answer: B)reduce the model complexity

Q8) What is the ideal value for silhouette coefficient?

1. 0
2. 0.5
3. 1
4. -1

Your Answer: c)1

Q9) Which of the following algorithm does not have a significant training phase?

1. k-means
2. XGBoost
3. KNN
4. AdaBoost

Your Answer: C)knn

Q10) Which of the following algorithm is not a type of ensemble learning technique?

1. Bootstrap Aggregation
2. Boosting
3. Stacking
4. Mining

Your Answer: d)mining