

First and last name .....

### Question 1/10

A feature F1 can take certain value: A, B, C, D, E, & F and represents grade of students from a college. Which of the following statement is true in following case?

- A. It doesn't belong to any of the above category.
- B. None of these
- C. Feature F1 is an example of nominal variable.
- D. Feature F1 is an example of ordinal variable.

### Question 2/10

Support Vector Machines make non-linear classification possible by

- A. It is not a nonlinear classifier
- B. None of the above
- C. Kernel Trick
- D. Margin

### Question 3/10

Choose the correct statement(s) for an imbalanced dataset classification problem.

- I. Accuracy metric is not a good idea for imbalanced class problems.
  - II. Accuracy metric is a good idea for imbalanced class problems.
  - III. Precision and recall metrics are good for imbalanced class problems.
  - IV. Precision and recall metrics aren't good for imbalanced class problems.
- A. IV and III
  - B. I, II, IV
  - C. I and III
  - D. I and II

### Question 4/10

In multiclass classification problems, the output layer of neural network will use \_\_\_\_\_ activation function to give the probabilities for different classes.

- A. Softmax
- B. Sigmoid
- C. All of the above
- D. ReLU

### Question 5/10

Choose the correct option for hierarchical clustering.

- I. Agglomerative is top-down hierarchical clustering
- II. Divisive is bottom-up hierarchical clustering
- III. Agglomerative is bottom-up hierarchical clustering
- IV. Divisive is top-down hierarchical clustering

- A. Only II
- B. III and IV
- C. Only I
- D. I and II

### Question 6/10

The effectiveness of an SVM depends upon:

- A. Soft Margin Parameter C
- B. Kernel Parameters
- C. Selection of Kernel
- D. All of the above

### Question 7/10

The process of adjusting the weight is known as?

- A. None of these
- B. Activation
- C. Synchronization
- D. Learning

### Question 8/10

\_\_\_\_\_ classifier is a lazy learner.

- A. Naive's bayes
- B. KNN
- C. svm
- D. Decision Tree

### Question 9/10

\_\_\_\_\_ is the way to get visualization of clusters formed in hierarchical clustering.

- A. Scatter plots
- B. Dendogram
- C. Line charts
- D. All of the above

**Question 10/10**

On what factor the number of outputs in neural network depends?

- A. None of these
- B. Both on distinct classes & inputs
- C. Distinct classes
- D. Distinct inputs