Trimester: May 2021 - July 2021 Examination: Practical Examination		
Programme code:09 Programme: MCA	Class: FY	Trimester: III (SVU 2021)
Name of the Constituent College: K. J. Somaiya Institute of Management	Name of the department/Section/Center: DST	
Course Code: 117P05L301	Name of the Course: Artificial Intelligence and Machine Learning Lab	
Time: 3 hrs		Marks: 30

Instructions:

- *Viva will be taken at the time of practical as well as after the practical if required.*
- *The figures to the right indicate full marks.*
- *Dataset is provided separately.*

Q1. The phishing.csv dataset to perform the following.   **[20]**

1. Apply various feature selection techniques and show the results.
2. Develop a model with the selected features using Decision Tree Classifier.
3. Try to improve the model by changing various parameters.
4. Compare the performance of the model with Naïve Bayes' classifier.

Q2. Use winequality.csv to cluster the data using k means clustering.   **[10]**