**MACHINE LEARNING – WORKSHEET 7 ANSWERSHEET**

**All the questions in this exercise have one or more than one correct answers. Choose all the correct options to answer your questions.**

1. A) SVMs use hyperplanes as decision boundary for classification.

C) SVMs can separate classes only when the data is linearly separable.

1. B) Blue
2. B) Higher the value of gamma of RBF the more flexible the classifier curve becomes in the original dimensions.
3. B) A Soft Margin Linear classifier
4. B) The margin width will Increase
5. A) Figure A
6. A) D1>D2>D3
7. C) Gamma2 > Gamma 1
8. B) The model would consider only the points close to the hyperplane for modelling
9. A) A large number of misclassification would happen