MACHINE LEARNING – WORKSHEET 7

1.Ans) A) SVMs use hyperplanes as decision boundary for classification, C) SVMs can separate classes only when the data is linearly separable.

2.ans) A) Red

3.ans) B) Higher the value of gamma of RBF the more flexible the classifier curve becomes in the original dimensions.

4.ans) D) None of the above

5.ans) B) The margin width will Increase

6.ans) B) Figure B

7.ans) A) D1>D2>D3

8.ans) B) Gamma1 > Gamma2

9.ans) A) The model would consider even far away points from hyperplane for modelling B) The model would consider only the points close to the hyperplane for modelling

10.ans) A) A large number of misclassifications would happen