WORKSHEET-III

***Q.1: ans**. – b.*

***Q.2: ans**. – b.*

***Q.3: ans**. – a.*

***Q.4: ans**. – d.*

***Q.5: ans**. – c.*

***Q.6: ans**. – c.*

***Q.7: ans**. – d.*

***Q.8: ans**. – a.*

***Q.9: ans**. – c.*

***Q.10: ans**. – a.*

***Q.11: ans**. – d*

***Q.12: ans**. – a.*

***Q.13: ans**. – Clustering provides failover support in two ways: Load redistribution: When a node fails, the work for which it is responsible is directed to another node or set of nodes. Request recovery: When a node fails, the system attempts to reconnect MicroStrategy Web users with queued or processing requests to another node.. Clustering technique is used in various applications such as market research and customer segmentation, biological data and medical imaging, search result clustering, recommendation engine, pattern recognition, social network analysis, image processing,*

***Q.14: ans**. – Graph-based clustering performance can easily be improved by applying ICA blind source separation during the graph Laplacian embedding step. Applying unsupervised feature learning to input data using either RICA or SFT, improves clustering performance. A good clustering method will produce high quality clusters in which: – the intra-class (that is, intra intra-cluster) similarity is high. – the inter-class similarity is low. The quality of a clustering result also depends on both the similarity measure used by the method and its implementation. The hierarchical cluster analysis follows three basic steps: 1) calculate the distances, 2) link the clusters, and 3) choose a solution by selecting the right number of clusters.*