MACHINE LEARNING

Answers of Following Questions-

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Ans 1-(b) 4	
Ans 2-(d) 1, 2 and 4	
Ans 3-(d) formulating the clustering problem	
Ans 4-(a) Euclidean distance	
Ans 5-(b) Divisive clustering	
Ans 6-(d) All answers are correct	
Ans 7-(a) Divide the data points into groups	
Ans 8-(b) Unsupervised learning	
Ans 9-(d) All of the above	
Ans 10-(a) K-means clustering algorithm	
Ans 11-(d) All of the above	
Ans 12-(a) Labeled data	
Ans 13-The hierarchical cluster analysis follows three basic steps:-	
1) calculate the distances	
2) link the clusters	
3) choose a solution by selecting the right number of clusters	
Ans 14-To measure the quality of a clustering, we can use the average silhouette coefficient value objects in the data set	of all
Ans 15-Cluster analysis is a data analysis technique that explores the naturally occurring groups widata set known as clusters.	thin a
types of clustering are:-	
Density-Based Clustering	
DBSCAN (Density-Based Spatial Clustering of Applications with Noise)	
OPTICS (Ordering Points to Identify Clustering Structure)	

HDBSCAN (Hierarchical Density-Based Spatial Clustering of Applications with Noise)
Hierarchical Clustering
Fuzzy Clustering
Partitioning Clustering
PAM (Partitioning Around Medoids)
Grid-Based Clustering