Q1.

Ans: (D) All of the above

Q2.
Ans: (D) None

Q3.
Ans: (C) Reinforcement learning and Unsupervised learning

Q4.
Ans: (B) The tree representing how close the data points are to each other

Q5,

Ans: (D) None

Q6.
Ans: (C) k-nearest neighbour is same as k-means

Q7.
Ans: (D) 1, 2 and 3

Q8.
Ans:(A) 1 only

Q9
Ans: (A) 2

Q10.
Ans: (B) Given a database of information about your users, automatically group them into different market segments.

Q11.
Ans: (A)

Q12.
Ans: (B)

Q13. What is the importance of clustering?
Ans:

Clustering is so important for data analysis and data mining. It is task of grouping a set of objects, so that object in a same group which is more similar to each other than those of other in present in another group.

Q14. How can I improve my clustering performance?

Ans: calculating the silhouette coefficient over a range of k, and identifying the peak as the optimum K.