

SRI KRISHNA INSTITUTE OF TECHNOLOGY

Bangalore

Department of Computer Science & Engineering

Subject: Data Mining and Data Warehousing

Sub Code: 18CS641

QUESTION BANK - 5

1. Explain desired features of cluster analysis.
2. Explain how distance between a pair of points can be computed.
3. Write a short note on density-based methods.
4. Write and explain basic K-Means algorithm.
5. Explain DBSCAN clustering algorithm.
6. What are the limitations of K Means algorithm.
7. Explain cluster analysis methods briefly.
8. Explain agglomerative hierarchical clustering.
9. Explain bisecting K Means algorithm.
10. Distinguish between various types of clustering.
11. What are unsupervised, supervised and relative evaluation measures that are applied to judge various aspects of cluster validity.
12. Explain different types of defining proximity between clusters.
13. Differentiate between exclusive and overlapping clustering.
14. What are the various issues considered for cluster validation? Explain different evaluation measures used for cluster validity.
15. Explain unsupervised cluster evaluation using cohesion and separation
16. Explain unsupervised cluster evaluation using proximity matrix.
17. List and explain classification-oriented measures of cluster validity.
18. Explain similarity – oriented measures of cluster validity.
19. Explain grid-based clustering algorithm.
20. Explain subspace clustering.
21. Write and explain CLIQUE algorithm.
22. Write and explain DENCLUE algorithm.
23. Explain different graph-based clustering