1. What is the concept of supervised learning? What is the significance of the name?

2. In the hospital sector, offer an example of supervised learning.

3. Give three supervised learning examples.

4. In supervised learning, what are classification and regression?

5. Give some popular classification algorithms as examples.

6. Briefly describe the SVM model.

7. In SVM, what is the cost of misclassification?

8. In the SVM model, define Support Vectors.

9. In the SVM model, define the kernel.

10. What are the factors that influence SVM's effectiveness?

11. What are the benefits of using the SVM model?

12. What are the drawbacks of using the SVM model?

13. Notes should be written on

1. The kNN algorithm has a validation flaw.

2. In the kNN algorithm, the k value is chosen.

3. A decision tree with inductive bias

14. What are some of the benefits of the kNN algorithm?

15. What are some of the kNN algorithm's drawbacks?

16. Explain the decision tree algorithm in a few words.

17. What is the difference between a node and a leaf in a decision tree?

18. What is a decision tree's entropy?

19. In a decision tree, define knowledge gain.

20. Choose three advantages of the decision tree approach and write them down.

21. Make a list of three flaws in the decision tree process.

22. Briefly describe the random forest model.