RNS INSTITUTE OF TECHNOLOGY

Autonomous Institution Affiliated to VTU

Assignment 2: CLOUD COMPUTING

University Question Bank

A compilation of important questions for review

Question 1:

1. In context to prepare the data for Machine Learning algorithms, Write a note on (i) Data Cleaning (ii) Handling text and categorical attributes iii) Feature scaling 2

Answer: A

Question 2:

2. Using code snippets, outline the concepts involved in i) Measuring accuracy using Cross -Validation. ii) Confusion Matrix. iii) Precision and Recall. 2

Answer: P

Question 3:

3. With the code snippets show how Grid Search and Randomized Search helps in Fine Tuning a model. 2

Answer: I

Question 4:

4. Design a machine learning pipeline for real estate model. 2

Answer: K

Question 5:

5. Explain the steps in end to end machine learning project. 2

Answer: e

Question 6:

6. How to discover and visualize data to gain insights. 2

Answer: y

Question 7:

7. What is data cleaning, explain with suitable example. 2

Answer: l

Question 8:

8. With the code snippet explain how Multilabels classification different from multiclass Multioutput classification? 2 Module 5 SL.NO QUESTION COs

Answer: n

Question 9:

1. Explain the concept of Bayes theorem with an example. 5

Answer: v

Question 10:

2. Explain Bayesian belief network and conditional independence with example. 5

Answer: a

Question 11:

3. Explain Brute force MAP hypothesis learner and minimum description length principle. 5

Answer: l

Question 12:

4. Define (i) Prior Probability (ii) Conditional Probability (iii) Posterior Probability 5

Answer: i

Question 13:

5. Explain the concept of EM Algorithm. 5

Answer: d

Question 14:

6. Explain Naïve Bayes Classifier with an Example. 5

Answer: .

Question 15:

7. Discuss Maximum Likelihood and Least Square Error Hypothesis. 5

Answer: P

Question 16:

8. Describe Maximum Likelihood Hypothesis for predicting probabilities. 5

Answer: l

Question 17:

9. Apply Naïve Bayes algorithm to classify given instance using below training data. New Instnce: 5

Answer: e

Question 18:

10. 5

Answer: a