

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF COMPUTER APPLICATIONS
EXAMINATION : DECEMBER - 2023
SEMESTER - III

Sub : Data Analytics (MCA- 306-22)

Date : 18/12/2023

Total Marks : 60

Time: 10.00 am To 12.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. Answer the following in 2 - 3 lines. (Any 5) (10)

1. What is Use of Numpy in Python?
2. Explain Matplotlib in Python
3. What is Dimensionality Reduction?
4. What is Data Profiling?
5. What is Dashboard in Power BI?
6. What is TesnorFlow?
7. How can you load and use csv file in R?

Q. 2. Answer the following in short. (Any 4) (20)

1. What are Slicers in Power BI?
2. Short note on KNN
3. Explain the Advantages of power B I.
4. Explain Naives Bayes Theorem with example.
5. What is the main difference between an Array and a matrix in R Programming?
6. Describe the Market basket Analysis.

Q. 3. Answer the following in detail. (Any 3) (30)

1. Explain the Difference between Deep Learning and Machine Learning.
2. What is Supervised Learning and types of Supervised Learning?
3. Explain the Applications of NLP.
4. Explain the Life Cycle of Data Analytics.
5. Explain Regression and types of Regression.
