

Advanced Python Programming for AI and Machine Learning (Minor-6)**Time: 2:00 Hours****Marks:50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1 Answer the following questions (Any Two Out of Four) (10)
- 1) Explain features of MySql Database.
 - 2) Write a Program to Insert operation MySql with Tkinter.
 - 3) Write a Program to Display operation Sqlite with Tkinter.
 - 4) Write a Program to read data from CSV file.
- Que.2 Answer the following questions (Any Two Out of Four) (10)
- 1) Explain Types of Artificial Intelligence.
 - 2) Explain Features of Artificial Intelligence.
 - 3) Explain Machine Learning Development Life Cycle.
 - 4) Explain Categories of Machine Learning.
- Que.3 Answer the following questions (Any Two Out of Four) (10)
- 1) Explain Types of data.
 - 2) Explain handling missing values Data pre-processing techniques.
 - 3) What is importance of dataset in ML?
 - 4) Explain Exploratory data analysis.
- Que.4 Answer the following questions (Any Two Out of Four) (10)
- 1) Explain Simple Linear Regression Algorithm.
 - 2) Explain Logistic Regression Algorithm.
 - 3) Explain Random Forest Algorithm.
 - 4) Explain K-Means Clustering Algorithm.
- Que.5 Answer the following questions (Any Two Out of Four) (10)
- 1) Explain features of Sqlite Database.
 - 2) Explain Core concept of Artificial Intelligence.
 - 3) Explain scaling Data pre-processing techniques.
 - 4) Explain Cross-Validation Model training and testing techniques.
