

B.Sc. (Data Science) NEP Semester-III
BSCDS033 - Fundamental in Data Science

P. Pages : 1

Time : Two Hours



GUG/S/25/16142

Max. Marks : 40

Either:

1. A) Explain the Evolution of Data Science. 4
 B) What are the various Application of Data Science. 4

OR

- C) Explain the various steps in Data Science Process. 4
D) Describe Data Discretization in Data Science. 4

Either:

2. A) Explain Artificial Intelligence in details. 4
 B) Describe various AI Technique. 4

OR

- C) Explain 8-Puzzle Problem in details. 4
D) Differentiate between Breadth First Search and Depth First Search. 4

Either:

3. A) Describe constraint satisfaction problem in details. 4
 B) Explain A* Search and Ao* Search algorithm. 4

OR

- C) Explain Simple and Multiple Regression in model development. 4
D) Describe prediction and Decision making in model development. 4

Either:

4. A) Differentiate between unsupervised and reinforcement learning. 4
 B) Explain prediction, classification and clustering with example. 4

OR

- C) Describe Scalability and data management issues in data mining algorithm. 4
D) Explain Grid Search with multiple parameters of testing. 4

5. Solve all questions.

- A) Explain the concept of Data Cleaning. 2
B) Describe various characteristics of production system. 2
C) Explain minimax algorithm. 2
D) Explain the Association ruler in data mining. 2
