

7+2=9

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL No:

Total number of pages: 11

BCA 5th Sem

Data Warehousing & Mining

Subject Code: BSBC 501

May, 2018

Re-appear

Batch - 2012-15

Paper ID:

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

- All questions are compulsory

PART A (10x 2marks)

Q. 1. Short-Answer Questions:

- What are the various objectives of data warehouse?
- What is Big Data?
- Write a short note on data mart.
- How KDD differs from data mining?
- Name spatial data types.
- What is cluster analysis?
- What are temporal hierarchies?
- What is topological relationship?
- Differentiate between classification and prediction.
- What is clustering?

PART B (5x8marks)

- Q. 2. What is data warehouse? Discuss the basic characteristics of a data warehouse. CO1
OR
Discuss the difference between operational database system and data warehouse. CO1
- Q. 3. Write short note on: CO2
a) Temporal Data types b) Fact relationships
OR
How does backpropagation work? Write neural network learning algorithm for CO2
classification using the backpropagation.
- Q. 4. Write a short note on: CO3
a) Bayesian Classification b) Genetic Algorithm
OR
Explain three tier architecture of data warehouse. CO3
- Q. 5. Explain various types of data that are used in cluster analysis. CO4
OR
What is data mining? Explain various data mining functionalities. CO4
- Q. 6. What is prediction? Explain its various methods. CO5
OR
Write short note on: CO5
a) K-nearest neighbor b) Fuzzy set approach