

Roll No. 0802564

BCA-604(N)

B. C. A. (Sixth Semester)

EXAMINATION, May, 2019

(New Course)

Paper Fourth

KNOWLEDGE MANAGEMENT

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt questions from all Sections as directed.

Inst. : The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

Section—A

(Short Answer Type Questions)

Note : All questions are compulsory. Each question carries 3 marks.

1. (A) What is Business Intelligence ? Write down the components of BI.
- (B) Explain the concept of decision support system.
- (C) Write the role of AI of business in detail.
- (D) What is groupware technology ? Briefly explain GDSS.
- (E) Write the importance of BI in data warehouse.

(B-10) P. T. O.

- (F) Write the differences between Data warehouse and Data Mart.
- (G) Write the functions of data mining.
- (H) What is dimensionality reduction ?
- (I) How does people management help in knowledge management ?

Section—B

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 12 marks.

- Design BI system for fraud detection. Explain all steps from data collection to decision making.
- Explain the three-tier architecture of data warehouse. Also write the characteristics of data warehouse.
- What is snowflake schema data model ? Explain in detail with a schema diagram.
- Explain multidimensional data and data cube. Describe all operation performed on multidimensional data cube with diagram.

Section—C

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 12 marks.

- Explain data mining steps in KDD. Explain its architecture. Write major issues of data mining.

(B-10)

- Use the Apriori algorithm to identify the frequent item-set in the following database. Then extract the strong association rules from these sets. Minimum support = 3

TID	Items
1	A, B, D, E, F
2	B, C, E
3	A, B, D, E
4	A, B, C, E
5	A, B, C, D, E, F
6	B, C, D
7	A, B, E

- What is clustering ? Explain k-means clustering algorithm. suppose the data for clustering is : {2, 4, 10, 12, 3, 20, 11, 25}. consider $K = 2$, cluster the given data using k-means algorithm.
- How organizational culture plays a role in the practice of K_m ? How to involve knowledge strategy ? Also explain the types of knowledge in detail.

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