

Total No. of Questions : 12]

SEAT No. :

P3219

[Total No. of Pages : 2

[5256]-504

T. Y. M. C. A. (Engineering) (Semester - V)
DATA WAREHOUSING, DATA MINING & BUSINESS
INTELLIGENCE
(2013 Pattern)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Solve Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10, Q11 or Q12.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume Suitable data if necessary.

SECTION-I

- Q1) a)** Write a note on Star schema & Snowflake schema. **[4]**
- b)** What is the need of data preprocessing? **[4]**

OR

- Q2) a)** What is OLAP? Write operations on cube. **[4]**
- b)** What is data warehousing? What are advantages of data warehousing? **[4]**

- Q3) a)** What is data object and attribute types? Explain with example. **[4]**
- b)** What are the major issues in data mining? **[5]**

OR

- Q4) a)** What is data similarity & data dissimilarity? **[4]**
- b)** What is data mining? Explain technologies used for mining. **[5]**

P.T.O.

- Q5) a) What is text mining? What are its measures? [4]
 b) What is clustering? Explain k means algorithm. [4]

OR

- Q6) a) Explain descriptive and predictive data mining. [4]
 b) Find frequently appeared item set using Apriori algorithm. [4]

TID	ITEMS
100	ACD
200	BCE
300	ABCE
400	BE

- Q7) a) Explain ETL process in detail. [5]
 b) Explain OLAP server. [4]

OR

- Q8) a) What are analytical user requirements? [5]
 b) What is ODS? Explain features of it in detail. [4]

- Q9) a) What is the strategy while choosing right data architecture? [4]
 b) Explain business logical model. [4]

OR

- Q10) a) Explain atomic layer alternatives. [4]
 b) Explain data marts. [4]

Q11) What is BIRT? Explain advantages of BIRT. [8]

OR

Q12) What are the challenges of BIRT? [8]

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