

Total No. of Questions : 5]

SEAT No. :

P2356

[Total No. of Pages : 2

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B.E. (Information Technology) (Semester I)
BUSINESS INTELLIGENCE (Elective - II)
(2012 Pattern)

Time :2.30 hours]

[Max. Marks :70

Instructions to the candidates:

- 1) *Answer all questions.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data if necessary.*

Q1) a) Describe the major components of data Warehouse. [6]

b) What is ETL? Explain in detail. [4]

OR

a) Explain various types of data modeling schemas in detail. [6]

b) Explain fact and Dimension table in Detail. [4]

Q2) a) What are the snapshots used in data warehouse design? Explain in detail. [6]

b) Write a short note on multi-valued dimension and dimension attributes. [4]

OR

a) Write down the advantages of ROLAP and MOLAP and compare them. [6]

b) Explain the concept of dimension grain in brief. [4]

Q3) a) Explain Reporting architecture in detail with diagram. [8]

b) What is the difference between in-memory analytics and in-db analytics. [7]

OR

a) What are the various design and implementation issues of OLTP? [8]

b) Explain in brief about Data warehouse security. [7]

P.T.O.

Q4) a) What is hierarchical clustering? Name some other types of clustering techniques. [9]

b) Explain the concept of query rewrite with example. [8]

OR

a) What is business analytics? [9]

b) Explain the similarities and dissimilarities between Business intelligence and Business Analytics. [8]

Q5) a) What is Agile BI? Explain in detail. [9]

b) What are the different types of BI? Explain Real time BI in detail. [9]

OR

Write a short note on any 3 of the following (6 marks each) [18]

a) Netezza

b) Security in DW system.

c) PIG

d) Cloud BI

e) HIVE

