

Total No. of Questions : 6]

P159

SEAT No. :

[Total No. of Pages : 2

BE/Insem./APR - 209

B.E. (I.T.)

ADVANCED DATABASES

(2012 Course) (Semester - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Give advantages and disadvantages of Parallel databases. [5]
b) How concurrency control and recovery is done in distributed databases [5]

OR

- Q2)** a) What is Data Transparency? Explain types of Transparencies distributed databases should Achieve. [5]
b) Describe Query evaluation Process in Parallel Databases. [5]

- Q3)** a) Write a short note on [4]
i) Object Identity
ii) Object structure
b) Define [6]
i) XQuery
ii) DTD

Give example of DTD for any XML Document?

OR

- Q4)** a) Explain concept of structured, semi-structured and unstructured data? [5]
b) Explain with example concept of XML hierarchical data Model? [5]

- Q5)** a) Explain different NoSQL Database Types? [5]
b) Write a short note on CQL Data Model? [5]

OR

- Q6)** a) Write a short note on Cassandra Query language [5]
b) Explain with diagram 4 important V's of Big-Data. [5]

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