

MAY 2013

P/ID 37525/PBEJ

Time : Three hours

Maximum : 80 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Describe, using examples, conceptual Data modelling? State its application?
2. “Queries cannot be contained in a specific domain; hence query handling cannot be structured” – Discuss.
3. What is called “procedural language on forms”? Explain its process.
4. Draw the profile of the soft wares used in handling databases.
5. Elaborate the procedures adopted in operating databases.
6. Detail various issues in file processing? How DBMS is related to that?
7. Explain various forms of Normalisation. Compare their business suitability.
8. Describe various data representation methods.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions

9. Detail various methods of E-R diagrams? Illustrate their usage in data modelling.
10. Demonstrate how concurrency management helps in improving the efficiency and effectiveness of a database.
11. Elaborate on the programmes used for handling data for effective output design formats in a DBMS.
12. Compare and contrast IDMAS and focus. Illustrate their business uses.
13. Suggest a DBMS for a pan India Retail chain. Highlight the criteria for its selection and acquisition.
14. “Standalone databases are better, efficient and preferred in the changing world compared to integrated DBMS” – Critically examine.

PART C — (1 × 15 = 15 marks)

Compulsory

15. “Telecom Regulatory Authority of India (TRAI) handles its stakeholders on a 360 degree basis. The interest of its stakeholder varies at length, some times totally opposing each other.” Analyse and answer:

- (a) Explain the DBMS requirement of TRAI and describe how it is addressed.
 - (b) Detail the query handling methodology adopted by the organisation.
-