

Roll No.

57535

BBA 4th Semester (N.S.) 2014-17

Examination – July, 2021

DATA BASE MANAGEMENT SYSTEM

Paper : BBAN-405

Time : Three hours]

[Maximum Marks : 50

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : All question of Section 'A' are *compulsory*. Attempt any *four* questions from section 'B' selecting at least *one* question from each unit.

SECTION – A

1. Explain the following in brief :

- (i) Log based recovery techniques
- (ii) Disadvantages of using a DBMS
- (iii) Client/ server architecture
- (iv) Various ways in which a database can be secured
- (v) Multimedia data base

SECTION - B

UNIT - I

2. Explain the advantages of database management system over file management system.
3. Who is data base administrator ? Describe the main duties and responsibilities of database administrator.

UNIT - II

4. Describe the three-schema architecture. Why do we need mappings between schema levels ? How do different schema definition languages support this architecture ?
5. Why is it important to use an implementation-independent data model during conceptual schema design ? What models are used in current design tools ? Why ?

UNIT - III

6. What is database recovery ? How are buffering and caching techniques used by the recovery subsystem ?
7. What are the main reasons for and potential advantages of distributed databases?

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-(P-3)(Q-9)(21)

(2)

UNIT - IV

8. What is Data Mining ? Explain Data Mining Techniques. Compare between Data Mining and Data Warehousing.
9. Write notes on:
 - (a) Emerging data base technologies and
 - (b) Digital libraries.

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