

B.C.A. 3rd Semester (Full and Re-appear)

Examination, November-2023

INTRODUCTION TO DATABASE SYSTEM

Paper-BCA-203

Time allowed : 3 hours] [Maximum marks : 80

Note : Attempt five questions in all, selecting one question from each unit. Q. No. 1 is compulsory.

1. Write short note on following : 16
- (i) Database system
 - (ii) Physical Data Independence
 - (iii) Abstraction and Integration
 - (iv) Concurrency

Unit-I

2. Explain the following : 16
- (i) Components of Database System
 - (ii) DBMS Languages

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3. Explain the following : 16
- (i) Database Designers
 - (ii) Application Developers

Unit-II

4. Describe the following : 16
- (i) Schemas
 - (ii) Centralized DBMS
 - (iii) Instances
5. Give a complete description about Data Models. 16

Unit-III

6. Explain the following : 16
- (i) Entity Set
 - (ii) ER diagrams
7. Give a complete description about Network Data Models. 16

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Unit-IV

8. Describe the following : 16
- (i) BCNF
 - (ii) Closure of a Set of FD
9. What do you understand by SQL ? Explain in detail.

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