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Reg. No.

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III Semester B.C.A. 6. (NEP) Degree Examination, March/April - 2023**DATABASE MANAGEMENT SYSTEM****(Regular)****Time : 3 Hours****Maximum Marks : 60****Instructions to Candidates :**

1. *All sections are compulsory.*
2. *Draw diagrams wherever necessary.*

SECTION - AAnswer any **Ten** of the following.**(10×2=20)**

1. What is DBMS?
2. Define data independency.
3. What is data language?
4. Define Entity.
5. Define Attribute with example.
6. Write about weak entity.
7. Define Domain constraints with example.
8. What is Relational Algebra?
9. Define Normalization.
10. Define First normal form.
11. What is dead lock?
12. Expand ACID.

[P.T.O.]



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47781

SECTION - B

Answer any **Four** of the following.

(4×5=20)

13. Explain three schema architecture of database system with neat diagram.
14. Discuss Attributes with its types.
15. Explain UNION, INTERSECTION and MINUS operations in Relation Model.
16. Explain second normal form with suitable example.
17. Write about types of Failure in transaction processing.

SECTION - C

Answer any **Two** of the following.

(2×10=20)

18. Explain people associated with database system.
 19. a) Discuss cardinality Ratio for Relationship type.
b) Write PL/SQL program to find sum of three numbers.
 20. a) Explain Boyce - codd normal form.
b) Explain lost update problem.
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