

Unit-II

2. (a) What are the keys in DBMS ? Discuss its types.
- (b) Explain any **two** of the following :
- (i) Weak entity
 - (ii) Derived attributes
 - (iii) Composite attributes
- (c) What is entity-relationship diagram ? Explain with example.

Unit-III

3. (a) Explain about select, project operation in Relational Algebra.
- (b) Explain the following :
- (i) Natural join
 - (ii) Full outer join
- (c) Define Formal definition of tuple relational calculus expression.

Unit-IV

4. (a) What is Normalization ? Define 3NF with an example.
- (b) What do you mean by Functional Dependency ?
- (c) Give example on Multivalued Dependencies.

(3)

Unit-V

5. (a) Give Basic structure of SQL.
(b) What are the views ? Explain.
(c) What are the aggregate functions in SQL ?
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