

Roll No.

Y – 3635

B.C.A (Second Semester) EXAMINATION, May/June-2021

Paper – BCA - 205

DBMS

Time : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note—Attempt *all* questions.

Unit-I

1. (a) What are the types of attributes ? Explain how attributes are represented using ER diagram. 8
- (b) Explain Aggregation using suitable example. 8

Unit-II

2. (a) Explain types of keys in DBMS using suitable example. 8
- (b) What do you understand from Hierarchical model ? Write its advantages and disadvantages. 8

Unit-III

3. (a) What do you understand from natural join ? Explain it using an example. 8
- (b) Explain the use of union and intersection operation in relation algebra using suitable example. 8

Unit-IV

4. (a) Explain about the need of security in DBMS. Discuss its significance. 8
- (b) Explain how protection is provided against crashes in DBMS ? 8

Unit-V

5. (a) Explain atomicity and consistency properties of transaction. 8
- (b) Explain types of distributed database in detail. 8

Y – 3635