

Roll No.

Y – 3635 (A)

B.C.A. (Second Semester) (SPECIAL) EXAMINATION, August 2021

(SECOND CHANCE)

Paper – BCA-205

DBMS

Time : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note—Attempt *all* questions.

1. (a) Explain the functions of DBA in detail. 8
(b) Explain levels of abstraction in DBMS. 8
2. Explain anomalies in DBMS. Describe Second form of Normalization using suitable example. 16
3. Explain the following operations in relation algebra— 16
 - (i) Cartesian Product.
 - (ii) Theta join
 - (iii) Set difference
 - (iv) Equi join.
4. (a) What do you understand from committed and uncommitted transactions in DBMS ? 8
(b) Write an explanatory note on the need of Rollback in DBMS. 8
5. (a) Differentiate between serial and non serial schedule. 8
(b) Write an explanatory note on Integrity violation. 8