

# C.U.SHAH UNIVERSITY

## Summer Examination-2019

**Subject Name: Advanced Database Management System**

**Subject Code: 4TE06ADM1**

**Branch: B.Tech (IT)**

**Semester: 6**

**Date: 25/04/2019**

**Time: 10:30 To 01:30**

**Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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**Q-1 Attempt the following questions: (14)**

- a) What is candidate key?
- b) What is Dual Table?
- c) Explain Union all operator.
- d) What is functional dependency?
- e) What is the difference between Procedure and Function?
- f) Explain Check constraints.
- g) What is view?
- h) How floor() function is used?
- i) How substring() function is used?
- j) List down various types of query execution plan.
- k) How Between operator is used?
- l) What is query tree?
- m) What do you mean by consistency in database?
- n) How does rtrim() function work?

**Attempt any four questions from Q-2 to Q-8**

**Q-2 Attempt all questions (14)**

- (a) Discuss about various differences of DBMS and RDBMS. (7)
- (b) What is join? Explain join with its types and suitable example. (7)

**Q-3 Attempt all questions (14)**

- (a) Explain Query optimization process. (7)
- (b) Explain Security as Database Design Issue. (7)



