



Enrolment No. _____

HAS Mukh GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2130703

Date: 27/03/2016

Subject Name: DBMS

Sem: 3RD

Time: 10:00 TO 10:50

Total Marks: 20

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

QUE.1 (A) Define following terms:(1)Primary key(2)Foreign key(3)Candidate key 3

(B) Define DBMS. Briefly explain applications of DBMS. 3

QUE.2 (A) Explain three level architecture of DBMS with proper diagram. 3

(B) Write a note on conflict serializability. 4

OR

(B) Define transaction. Explain various states of transaction with suitable diagram. 4

QUE.3 (A) Explain Log based Recovery. 3

(B) Define E-R diagram. Draw an E-R diagram for Library Management System. Assume relevant entities and attributes for the given system. 4

OR

(A) List the relational algebra operators. Discuss any two such algebra operators with suitable example. 3

(B) Enlist SQL commands for DDL, DML with proper syntax. 4

***** ALL THE BEST *****