

SWE 3/1; DBMS CT#2; Marks: 15; Time: 30 Minutes

Q.1. Consider the Employee\_Info database of figure 1 and answer the following questions. (2+3+10)

Employee (EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY,  
JOINING\_DATE, DEPARTMENT)  
Bonus (EMPLOYEE\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE)  
Title (EMPLOYEE\_REF\_ID, EMPLOYEE\_TITLE, AFFECTED FROM)

Figure 1: Employee\_Info Database

- a) What are the appropriate primary keys?
- b) Given your choice of primary keys, identify appropriate foreign keys.
- c) Write the following query in SQL, using the Employee\_Info schema.
  - i. Write SQL script to create Employee table.
  - ii. Write an SQL query to fetch all values of DEPARTMENT from the Employee table.
  - iii. Add an Employee whose Employee ID, First Name, Last Name, Salary, Joining Date, and Department are 1001, Abdul, Qauyum, 5000, 1/1/1990, HRM respectively.
  - iv. Delete all Employees from the marketing department.
  - v. Update the Employee title "Jr. Officer" with "Junior Officer."