RE-EXAMINATION QUESTION PAPER
PG-DAC MARCH 2022

Module Name : Database Technologies

DATE: 13 /09 / 2022   **Duration:** 2 hrs**.**   **Max. Marks:** 40

Instructions:

Q1. IMPORT THE TEST.SQL FILE AND SOLVE THE FOLLOWING QUERIES –

[25 MARKS]

1. DISPLAY STUDENT NO. AND TOTAL MARKS OF EACH STUDENT HAVING TOTAL MARKS GREATER THAN 160.

2. DISPLAY STUDENT NAME (FORENAME + SURNAME), MODULE NAME, AND MARK OF STUDENTS HAVING MARK GREATER THAN THE MARK OF EMILE ZOLA IN THE DATABASES MODULE USING JOINS.

3. CREATE A FOREIGN KEY CONSTRAINT ON THE 'STUDENT_NO' COLUMN OF THE MARKS TABLE ASSUMING 'STUDENT_NO' IS THE PRIMARY KEY OF THE STUDENT TABLE.

4. WRITE A FUNCTION TO TAKE THE INPUT AS MARK AND RETURN THE GRADE.
   GRADE IS A IF MARK IS 80 AND ABOVE
   ELSE GRADE IS B IF MARK IS IN RANGE 65 TO 80
   ELSE GRADE IS C IF MARK IS IN RANGE 50 TO 64
   OTHERWISE, FAIL IF MARK < 50.

5. WRITE A STORED PROCEDURE TO DISPLAY ALL THE TABLES WHOSE NAME STARTS WITH M.

Q2. IMPORT THE EMP.CSV FILE AND SOLVE THE FOLLOWING QUERIES USING MONGODB –

[15 MARKS]

1. DISPLAY EMPLOYEE NAME WHOSE SALARY(SAL) GREATER THAN 2000.

2. INSERT A RECORD IN THE EMP COLLECTION. (ASSUME EMPLOYEE DETAILS)

3. DELETE THE RECORD OF THE EMPLOYEE WHOSE NAME IS FORD.

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