

**SH-IV/Com.Sc./403/C-10(PR)/19****B.Sc. 4th Semester (Honours) Practical Examination, 2019****COMPUTER SCIENCE****(Database Management System)****Paper : 403/C-10****Course ID : 41523****Time: 2 Hours****Full Marks: 15***The figures in the right hand side margin indicate full marks.**Candidates are required to give their answers in their own words  
as far as practicable.**The figures in the right hand side margin indicate marks.**The questions are of equal value.*

1. Perform *any one* of the following experiments: 10×1=10

- (a) Create a table VOTER (EPIC-Card-No, Name, Date-of-Birth, VILL, PO, DISTRICT)

Populate the table with at least 5 records.

The write queries for:

- (i) Finding the name of oldest voter.
- (ii) Finding EPIC-Card-No of youngest voter.
- (iii) Finding average age of voters.

- (b) Create a table Book (ISBN-No, Title, Author, Subject, Price)

Populate the table with at least 5 records such that there would be at least one book for each of Science, Arts and Commerce subjects.

Write queries for:

- (i) Sorting the books on lexicographic order of their titles.
- (ii) Finding Author's name for least price book.

- (c) Create a table STUDENTS (Roll-No, Name, Subject1, Subject2, Subject3, Date-of-Birth) to maintain the records of all BSC program students for semester IV of your college. Populate the table with sufficient no. of records to answer the following queries to display:

- (i) Name of all students having age  $\geq 20$  years.
- (ii) Roll-No. of all students having Mathematics subject.

- (d) Create two tables as:

STUDENT1 (College-Roll, Name, VILL, Regd-No)

STUDENT2 (Regd-No, University-Roll)

Populate the two tables. Determine Primary Key and Foreign Key. Then write a query to display studentwise college-Roll and University-Roll

(e) Create three tables as:

STUDENT1 (College-Roll, Name, VILL, Regd-No)

STUDENT2 (Regd-No, University-Roll)

STUDENT3 (University-Roll, CGPA)

Populate the three tables with sufficient no. of records and write a query to display CGPA of students with respect to their College-Rolls.

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