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BCSL-034/S2

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination
December, 2018**

**DATABASE MANAGEMENT
SYSTEMS LAB**

Time : 1 Hour

Maximum Marks : 50

Note : (i) There are *two* compulsory questions in this paper.

(ii) Each question carries 20 marks.

(iii) Rest 10 marks are for viva-voce.

(A-8) P. T. O.

1. Create the following tables with the fields given below : 20

STUDENT (Student_ID, Name, Programme, Teacher_ID)

TEACHER (Teacher_ID, Department, Name, City, Specialization)

Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields.

2. For the tables designed in Question No. 1 above, answer the following queries using SQL : 4 each

- (a) Display name and specialization of all the teachers in city "Delhi".
- (b) Display name, Student_ID and Programme in which they are registered, of all the students.
- (c) Display name of teacher of Teacher_ID = 123 and name of all the students who are associated with Teacher_ID = 123.
- (d) Display name, specialization and city of all the teachers who are associated with "Physics" department.
- (e) Display total number of students registered in "MCA" programme.