

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

02792

Term-End Practical Examination
December, 2017

BCSL-034(P)/S1 : DATABASE MANAGEMENT SYSTEMS LAB

Time : 1 Hour

Maximum Marks : 50

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- Note :** (i) *There are two **compulsory** questions in this paper.*
(ii) *Each question carries 20 marks.*
(iii) *Rest 10 marks are for viva-voce.*
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1. Create the following tables with the fields given below :

TEACHER (ID, Name, Dep_ID, Subject, Experience_in_years)

DEPARTMENT (Dep_ID, D_Name, Address, City)

Select appropriate primary keys. Input at least 5 meaningful records in the tables. Select appropriate data types for all the fields. 20

2. For the tables designed in question no. 1 above, answer the following queries using SQL : 5×4=20

- (a) List the names of all the teachers who teach "Computer Science" and have more than 10 years of experience.
- (b) List the addresses of all the "Physics Department" in city "Delhi".
- (c) Add column Date_of_Birth in the TEACHER table.
- (d) Display the names and addresses of all the teachers of "Computer Science" who work for "Dep_ID = 110011".
- (e) Display the names and subjects of all the teachers whose experience is less than 5 years.
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