

**BACHELOR OF COMPUTER APPLICATIONS (Revised)**  
**(BCA)**

00405

**Term-End Practical Examination**

**June, 2017**

**BCSL-034(P)/S4 : DATABASE MANAGEMENT SYSTEMS LAB**

*Time : 1 Hour*

*Maximum Marks : 50*

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- Note :**
- (i) *There are two questions in this paper carrying 20 marks each.*
  - (ii) *Answer **both** of them.*
  - (iii) *Rest 10 marks are for viva-voce.*
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1. Create the following tables with the fields given below :  
 BUS (ROUTE\_NO, START\_POINT, DESTINATION)  
 PASSENGER (PID, PNAME, GENDER, AGE)  
 BOOKING (PID, ROUTE\_NO, JRNY\_DATE, SEAT\_NO)  
 Select an appropriate primary key(s). Input at least 10 meaningful records.  
 Select appropriate data types for all the fields. 20
  
2. For the above created tables in Q.1, answer the following queries using SQL :
  - (a) To display all the passengers on ROUTE\_NO = 123 travelling from CHENNAI to TIRUPATI. 4
  - (b) To display all the PIDs and GENDER of all the passengers travelling on ROUTE\_NO = 345 on current\_date. 4
  - (c) To display all the ROUTE\_NOs. 4
  - (d) To add a column **FARE** in BOOKING table. 4
  - (e) To delete a column **GENDER** in PASSENGER table. 4