



**III Semester B.Com. Degree Examination,  
November/December 2019**

**COMPUTER SCIENCE**

**Paper 3.5 – Data Base Management System  
(CBCS)**

Time : 3 Hours

Max. Marks : 70

**SECTION – A**

Answer **any five** questions. Each questions caries **2** marks : (5 × 2 = 10)

1. (a) Expand DBMS.
- (b) Define the term Entity.
- (c) What is data model?
- (d) What do you mean by schema?
- (e) Define relation.
- (f) Expand BCNF.
- (g) What is Backup?

**SECTION – B**

Answer **any four** questions. Each question carries **5** marks : (4 × 5 = 20)

2. What are the components of DBMS?
3. Write a short note on data dictionary.
4. Explain hierarchical data model.
5. With their names write any five ER-Diagram Notations.
6. Write a procedure for database creation in SQL.
7. Write the importance of backups.

**SECTION – C**

Answer **any four** questions. Each question carries **10** marks : (4 × 10 = 40)

8. Explain DBMS users in detail.

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9. What is DBA? Explain the responsibilities DBA.
  10. What is normalization? Explain in brief second normal form.
  11. Explain any five built-in functions of SQL.
  12. What are the causes of database failure?
  13. What are database recovery techniques? Explain.
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