CHRIST (DEEMED TO BE UNIVERSITY),BENGALURU - 560029

End Semester Examination October/November - 2018
Bachelor of Computer Applications III SEMESTER

Code: BCA334　　　　　　　　　　　　　　　　　　　**Max.Marks: 100**
Course: DATABASE MANAGEMENT SYSTEM　　　　　　**Duration: 3Hrs**

SECTION A

Answer all the questions.　　　　　　　　　　　　　　**10X2=20**

1　List different database users.
2　Define Data.
3　Define weak entity.
4　Define Hash Indexing.
5　What is a foreign key? Give an example.
6　What are Joins?
7　List any two DCL commands with suitable examples.
8　What do you mean by binary lock?
9　What is discretionary security mechanism?
10　Define distributed database management system.

SECTION B

Answer any 5 questions.　　　　　　　　　　　　　　**5X6=30**

11　Identify the roles of Database Administrator and Designer.
12　Describe mapping cardinality with suitable example.
13　Discuss primary indexing scheme.
14　What do you mean by Cartesian product of two relations? How is it different from natural join? Explain with example.
15　What is a view? Illustrate creation, insertion and deletion into a view with examples.
16　Explain Checkpoints in System Log and Fuzzy Checkpointing.
17　Explain homogeneous and heterogeneous Distributed DBMS.

SECTION C

Answer any 5 questions.　　　　　　　　　　　　　　**5X10=50**

18　Discuss with example: (a) Network Model (5)
　　(b) Hierarchical Model (5).
19　Construct an ER diagram for a Bank Database representing :
　　a) Minimum four entities (including weak entity)
　　b) Cardinality Ratios
　　c) Participation Constraints
20　Explain Relational model with example.
21　Discuss the application areas of RDBMS.
22　How are Savepoints, Rollback and Commit implemented in oracle? Illustrate using examples.
23　Discuss discretionary access control based on granting and revoking of privileges.
24　Write a short note on data mining.