



M 2301



Reg. No. :

Name :

III Semester B.A./B.Sc./B.Com./B.B.A./B.B.A. T.T.M./B.B.M./B.C.A./B.S.W./
B.A. Afsal-UI-Ulama Degree (CCSS – Reg./Supple./Improv.)

Examination, November 2012

COMPLEMENTARY COURSE IN COMPUTER SCIENCE

3C05 CSC : Database Management System

Time : 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for a bunch of 4 questions is 1.

- I. 1) The user who controls the allocation of data to other is called _____
- a) DBA b) DBMS
c) PROGRAMMER d) END USER
- 2) The no. of attributes in a relational model is called _____
- a) Degree b) Cardinality
c) Count d) Attribute
- 3) A set of tuples is called _____
- a) Record b) Relation
c) File d) Domain
- 4) SELECT is a _____
- a) DML b) DCL c) DDL d) XML

II. 5) In E-R model, _____ is used to represent attributes.

6) _____ data type is used to specify logical values.

7) The command used to modify the values in a tuple is _____

8) The overall design of a database is called _____ (2x1=2)

P.T.O.



SECTION – B

Answer **any five** questions. Weightage **1 each**.

9. What is Relational Database ?
10. What is a view ?
11. Write the Syntax of SELECT clause.
12. What is a Hierarchical model ?
13. What is a equi-join ?
14. What is 2NF ?
15. What is the purpose of COUNT () ?
16. What is the usage of HAVING clause ?

(5×1=5)

SECTION – C

Answer **any five** questions. Weightage **2 each**.

17. Explain different types of Database users.
18. Differentiate between Primary Key and Foreign Key.
19. Write notes on Functional Dependency.
20. Write any two aggregate functions in SQL.
21. Write the relational operators in SQL.
22. Explain trigger with syntax.
23. What is a Constraint ? Give example.
24. Explain the role of GROUP BY with syntax.

(5×2=10)

SECTION – D

Answer **any one** questions. Weightage **4 each**.

25. What is meant by Normalization ? Explain different normal forms.
26. Explain any four fundamental relational-algebra operations.

(1×4=4)