

TV172800A

Reg. No:.....

Name:.....

B. VOC. DEGREE (C.B.C.S.S) EXAMINATION APRIL 2018
(2017 Admission Regular & 2016 Admission Improvement / Supplementary)
SEMESTER II – SKILL COURSE (SOFTWARE DEVELOPMENT)
VSD2S05TB - DATABASE MANAGEMENT SYSTEM/SQL

Time: Three Hours

Maximum Marks: 80

PART A

I. Answer all questions. Each question carries 1 mark

1. What is meant by database?
2. What is meant by SQL?
3. Define the term referential integrity?
4. What is the difference between primary key and foreign key?
5. What is meant by view?
6. What is meant by data redundancy?
7. What are Index?
8. What is meant by revoking a privilege?
9. Define transaction?
10. What is two locking protocol?

(10x1=10)

PART B

II. Answer any eight questions. Each question carries 2 marks

11. Define an attribute? What is key attribute?
12. What are weak entity?
13. How do you insert data into the data base?
14. Write a short note on JOIN operation.
15. Define the use of ALTER command with an example.
16. Define CARTESIAN PRODUCT with example?
17. What are the basic unit of ER diagram?
18. Define the terms schemas and instance.
19. What are the main characteristic of functional dependences?
20. What is meant by concurrency control?
21. What is meant by granting privilege?
22. Why are locks used in transaction?

(8x2=16)

PART C

III. Answer any six questions. Each question carries 4 marks

23. What is data independence? Explain the difference between physical and logical data independences.
24. Explain Normalization.

25. Explain the characteristic of relation.
26. Explain the difference between tuple relational calculus and domain relational calculus.
27. Write the following command :
a)EXCEPT b)UNIQUE
28. Explain 4 aggregate function with examples?
29. Why database system are superior than file based system?
30. Write short note on privileges.
31. Explain the different type of locks?

(6x4=24)

PART D

IV. Answer any two questions. Each question carries 15 marks

32. What are the advantage using DBMS. Explain?
33. Differentiate between DDL and DML commands.
34. What is a data model? Discuss different categories of data model.
35. What is database security? What are the different type of security?

(2x15=30)