

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2014

(UG—CCSS)

Complementary Course—Microbiology

MB 2C 07—C LANGUAGE, DATABASE MANAGEMENT SYSTEM AND SQL

: Three Hours

Maximum : 30 Weightage

Part I*Answer **all** questions.**Each question carries a weightage of 1.*

1. The only operator that can act on the array as a whole is _____
_____ function is used to release the allocated memory space.
2. The type of data structure used in relational model is _____
4. The ability to modify the internal schema without causing any change to the external schema is called _____
5. What is the output of the following program ?

```
#define SQR(x) (x*x)
main ()

    int a, b=3;
    a=SQR(b+2);
    print ("%d",a);
```
6. How many bytes of memory are used to store a long data type ?
7. The process by which changes to tables in a database are automatically moved to another database by the SQL Server processes is called _____
8. What gets printed by the code below ?

```
Char array[]="foo";
Printf("%lu\n", sizeof(array[1]));
```
9. In _____ standard library file is the function print 0 located ?
10. A _____ is a person responsible for the design, implementation, maintenance and repair of an organization's database.
11. A table created within a table is called
12. SQL stands for

(12 x $\frac{1}{4}$ = 3 weightage

Turn over

Part II

*Answer all questions.
Each question carries 1 weightage.*

13. What are general characteristics of C ?
14. Write the variables in C.
15. State storage classes in C.
16. Write the "break" statement in C.
17. What is meant by string type data ?
18. What is data view?
19. Define attribute in DBMS.
20. Define relational algebra.
21. What are the queries types in SQL ?

(9 x 1 = 9 wt)

Part III

*Answer any **five** questions.
Each question carries 2 weightage.*

22. What is the difference between global and local identifiers ?
23. Name the different classes of statements in C.
24. What do you mean by recursion ?
25. Write about the conditional operators in C.
26. Define natural join.
27. Define key and foreign key.
28. What is SQL ?

(5 x 2 = 10 weightage)

Part IV

*Answer any **two** questions.
Each question carries 4 weightage.*

29. Write a C program to find the prime numbers between in 100 and 150.
30. Explain the extended features of E-R model.
31. Discuss about embedded SQL.

(2 x 4 = 8 weightage)