SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2014

(UG—CCSS)

Complementary Course—Microbiology

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

Maximum : 30 Weightage

'hree Hours

Part I

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

The only operator that can act on the array as a whole is

function is used to release the allocated memory space.

The type of data structure used in relational model is

The ability to modify the internal schema without causing any change to the external schema is

called

What is the output of the following program ?

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

    int a, b=3;
    a=SQR(b+^);
    print ("%d",a);
```

How many bytes of memory are used to store a long data type ?

The process by which changes to tables in a database are automatically moved to another database

by the SQL Server processes is called

What gets printed by the code below ?

```
Char array[]="foo";
Printf("%lu\n", sizeof(array[1]));
```

standard library file is the function print 0 located ?

). In   is a person responsible for the design, implementation, maintenance and repair of an

). A organization's database.

1. A table created within a table is called

2. SQL stands for

(12 x   = 3 weightage)

Turn over

C

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 we

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 weights

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 weighta