

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL/MAY 2013

(CCSS)

Microbiology

MB 2C 07 C—LANGUAGE-DATA BASE MANAGEMENT SYSTEM AND SQL

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions :

1 Which of the following is not a keyword in C

- (a) **IF.** (b) **printf.**
(c) **main.** (d) **auto.**

2 A string is terminated by _____ character.

- (a) Zero. (b) **newline.**
(c) null. (d) none of these.

3 _____ section in C program consist of set of comment lines.

- (a) Link section. (b) documentation section.
(c) definition section. (d) main function section.

4 **Trie** array `int num[3][4]` can store _____ elements.

- (a) 12. (b) 7.
(c) **11.** (d) 10.

5 _____ users interact with the system without writing programs.

- (a) Sophisticated users. (b) Specialized users.
(c) Application programmers. (d) None of these.

6 **∩** denote

- (a) Select operation. (b) project operation.
(c) union operation. (d) Rename operation.

7 _____ the place where the program execution begin in C.

8 _____ is the data type name that may used to store data values.

9 _____ is **used** to store dissimilar elements.

C Data about data is —

Turn over

11 In relational algebra a row in a table is called _____

12 The keyword which avoids duplication of column values, during selection operation is _____

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

II. Short Answer type questions. Answer all *nine* questions :

13 Define algorithm.

14 What is recursive function ?

15 Name different loops used in C.

16 Write syntax of switch statement.

17 Define static variable.

18 Define Entity.

19 What is meta data ?

20 Define field and record.

21 Define primary key.

(9 x 1 = 9 weightage)

III. Short essay or Paragraph questions. Answer any *five* questions :

22 Write a note about array.

23 What is the difference between structure and union ?

24 Explain about fundamental data types in C.

25 Write a note about pointer.

26 What are the responsibilities of Database Administrator' ?

27 Distinguish between **DML** and **DDL** statements.

28 Explain about different aggregate functions.

(5 x 2 = 10 weightage)

IV. Essay questions. Answer any *two* questions :

29 Write a note about different operators used in C program.

30 Explain about different data models with suitable example.

31 What is normal forms ? Explain about different normal forms ?

(2 x 4 = 8 weightage)