

D 31916

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Name

Reg. No.....

**SECOND SEMESTER B.Sc. DEGREE (SUPPLEMENTARY)
EXAMINATION, DECEMBER 2012**

(CCSS)

Microbiology (Complementary)

MB 2C 07 – C LANGUAGE, DATA BASE MANAGEMENT SYSTEM AND SQL

(As per 2009 Admissions)

Time : Three Hours

Maximum : 30 Weightage

Part I

*Answer **all** questions.*

Each question carries $\frac{1}{4}$ weightage.

1. C was originally developed by :
(a) Donald Knuth. (b) Bjarne Stroustrup.
(c) Nicolas Wirth. (d) Ken Thompson.
2. The preprocessor directive #include is required if :
(a) Console output is used.
(b) Console input is used.
(c) Both console input and output is used.
(d) None of these.
3. The command scanf is called :
(a) an insertion operator. (b) a get from operator.
(c) either (a) or (b). (d) None of the above.
4. What is a reference?
(a) An operator. (b) A reference is an alias for an object.
(c) Used to rename an object. (d) None of these.
5. A constructor is called whenever :
(a) A object is declared. (b) An object is used.
(c) A class is declared. (d) A class is used.

Turn over

6. Overloaded function in C :
- (a) A group function with the same name.
 - (b) All have the same number and type of arguments.
 - (c) Functions with same name and same number and type of arguments.
 - (d) All of the above.
7. SQL is _____ generation language :
- (a) 3rd.
 - (b) 4th.
 - (c) 2nd.
 - (d) 1st.
8. Which of the following is not related to attribute?
- (a) Domain.
 - (b) Protocol.
 - (c) Size.
 - (d) Primary key.
9. A dotted ellipse symbol for E-R diagram denotes :
- (a) Multi-valued attribute.
 - (b) Weak entity.
 - (c) Derived attribute.
 - (d) Strong entity.
10. System which handles logically inter-related data in a single disk is known as :
- (a) ADBMS.
 - (b) DBMS.
 - (c) DDBMS.
 - (d) XDBMS.
11. _____ converts DDL to low level file handling commands.
- (a) Compiler.
 - (b) Interpreter.
 - (c) Assembler.
 - (d) Query optimizer.
12. How many levels are in database architecture?
- (a) One.
 - (b) Two.
 - (c) Three.
 - (d) Four.

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

Part II

Answer **all** questions.

Each question carries 1 weightage.

13. What are external variables in C?
14. Name the qualifiers in C.
15. What do you mean by ternary operator?

16. Write the auto increment operators in C.
17. What is meant by string type data?
18. Mention the types of data model.
19. Define DML.
20. Give any *two* examples for the constraints.
21. Write about set operations.

(9 x 1 = 9 weightage)

Part III

Answer any five questions.

Each question carries 2 weightage.

22. Write the data type in C.
23. Mention "break" and "continue" statement in C.
24. What do you mean by recursion?
25. Write the loop structures in C.
26. Define parallel join.
27. Define key and super key.
28. What is SQL?

(5 x 2 = 10 weightage)

Part IV

Answer any two questions.

Each question carries 4 weightage.

29. Discuss about pointers in C.
30. With an example, explain E-R diagram.
31. Discuss about embedded SQL.

(2 x 4 = 8 weightage)