Roll No _____ (To be filled in by the candidate)

(Academic Sessions 2017 – 2019 to 2019-2021)

COMPUTER SCIENCE   221-(INTER PART – II)   Time Allowed : 20 Minutes

Q. PAPER – II (Objective Type)   **PAPER CODE = 8833**   Maximum Marks : 15

Note :   Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

(MS –ACCESS)

1-1	In the relational model, --- is the basic structure in which data is stored :			
	(A) Attribute	(B) Record	(C) Table	(D) Form
2	Different attributes in two different tables having same name are referred to as :			
	(A) Synonym	(B) Homonym	(C) Acronym	(D) Mutually exclusive
3	Insert command is used to insert :			
	(A) A new table	(B) A new record	(C) Dependencies	(D) A new query
4	Customers, cars and parts are examples of :			
	(A) Entities	(B) Attributes	(C) Cardinals	(D) Relationships
5	The manipulated and processed data is called :			
	(A) Object	(B) Information	(C) Knowledge	(D) Data
6	A database consists of various components called the :			
	(A) Tool	(B) Properties	(C) Entities	(D) Object

(C-Language)

7	The symbol ' = ' represents :			
	(A) Comparison operator	(B) Assignment operator		
	(C) Equal to operator	(D) Terminal operator		
8	An if statement inside another if statement :			
	(A) if statement	(B) inside if	(C) Nested if statement	(D) Mid if
9	Escape sequence \\ is used to print :			
	(A) New line	(B) Backslash	(C) Space	(D) Tab
10	A loop inside the body of another loop :			
	(A) while loop	(B) for loop	(C) Nested loop	(D) Infinite loop
11	Void occupy how many bytes in memory :			
	(A) Zero	(B) One	(C) Two	(D) Four
12	Formal arguments are also called :			
	(A) Actual arguments	(B) Dummy arguments		
	(C) Original arguments	(D) Referenced arguments		
13	Which of the following operators has lowest precedence :			
	(A) !	(B) +	(C) =	(D) ==
14	getch ( ) is a part of :			
	(A) stdio.h	(B) conio.h	(C) math.h	(D) string.h
15	Preprocessor directives are commands for :			
	(A) Microprocessor	(B) Language processor	(C) C preprocessor	(D) Loader

Roll No _____ (To be filled in by the candidate) **(Academic Sessions 2017–2019 to 2019-2021)**

COMPUTER SCIENCE   221-(INTER PART – II)   Time Allowed : 2.10 hours
PAPER – II (Essay Type)   Maximum Marks : 60

SECTION – I

(MS-ACCESS)

2. Write short answers to any SIX (6) questions :   **12**

   (i) Who is user/end user?   (ii) Define secondary key.
  (iii) Define the term feasibility study.   (iv) List ingredients of data modeling.
   (v) What is Microsoft Access?   (vi) What is database wizard?
  (vii) Define the term degree of relation. (viii) List three methods for creating table.
  (ix) Write any two uses of reports.

C-Language

3. Write short answers to any SIX (6) questions :   **12**

   (i) Describe linker and loader.   (ii) What is structured programming language?
  (iii) Write the purpose of compiler.   (iv) Define identifier.
   (v) What do you mean by keyword? (vi) Differentiate between declaring and defining a variable.
  (vii) Find the error in the following   (viii) What is the output of the following code :
       code segment :

```
int a, b;
a = – 10;
if ( a < 0 );
b = a * a;
printf ( " Result = % f " , b )
```

```
int a, b, c;
a = 10;
b= 3;
if ( a % b == 1 )
c = 0;
else
c = 1;
printf ( " %d ", c );
```

  (ix) Predict the output of the following code :

```
int price = 10;
if ( price ! = 10 )
price = 0;
else
price + = 2;
```

C-Language

4. Write short answers to any SIX (6) questions :   **12**

   (i) What is the use of " getch " function?
   (ii) Why is the ampersand character (&) used in scanf function?
  (iii) Write the general form of printf function.
  (iv) Define nested loop.
   (v) Convert the following code into while loop.
      for (int count = 1; count <= 2; count + +)
        printf (" count ");
  (vi) Why is sentinel value used in loops?
  (vii) How many (maximum) values can a function return using return statement?
 (viii) What type of variables are declared outside any function?
  (ix) How is a file opened?

SECTION – II

(MS ACCESS)

Note : Attempt any ONE question.

5. Write notes on any four of the following file types :   **8**
   (i) Master file.   (ii) Transaction file.   (iii) Backup file.
  (iv) Program file.   (v) Data file.   (vi) Sequential file.

6. Define functional dependency? How partial dependencies effect a relation?   **8**

SECTION – III

Note : Attempt any TWO descriptive answers from " C-Language" of the following questions.

(C – Language)

7. Define an error. Describe the types of errors in C programming language.   **8**
8. Define " if-else-if " statement. Explain its working with syntax, flowchart and example.   **8**
9. Write a program to print odd numbers from 1 to 10 using while loop.   **8**