

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

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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 :**

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- | | |
|---|---|
| (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 :**

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- | | |
|--|---|
| (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 code segment : | (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

- What is the use of " getch " function?
- Why is the ampersand character (&) used in scanf function?
- Write the general form of printf function.
- Define nested loop.
- Convert the following code into while loop.

```
for ( int count = 1; count <= 2; count ++ )
printf ( " count " );
```
- Why is sentinel value used in loops?
- How many (maximum) values can a function return using return statement?
- What type of variables are declared outside any function?
- 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 :**

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- | | | |
|--------------------|------------------------|-----------------------|
| (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?

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SECTION – III**Note : Attempt any TWO descriptive answers from " C-Language " of the following questions.****(C – Language)**

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