Warning:- Please write your Roll No. in the space provided and sign. Roll No----------

(Inter Part – II) (Session 2017-19 to 2019-21) Sig. of Student ----------

Computer Science (Objective) S4D-21 Paper (II)

Time Allowed:- 20 minutes **PAPER CODE 4837** Maximum Marks:- 15

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write **PAPER CODE**, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed.

(MS-ACCESS)

S.N.	Questions	A	B	C	D
1.	In 3NF, which form of dependency is removed?	Functional	Transitive	Non functional	Associative
2.	A record is a complete set of _____ field.	Distinct	Designed	Related	Non-related
3.	How many types of relationship?	5	4	3	2
4.	Which of the following may be a temporary file?	Master file	Transaction file	Back up file	Data file
5.	SQL is used for	Data definition	Data manipulation	Data definition and manipulation	Data creation
6.	Which of the following keys does not hold uniqueness property	Candidate key	Alternate key	Primary key	Secondary key

C- Language

S.N.	Questions	A	B	C	D
7.	No. of expressions in for loop statement are:	4	3	6	5
8.	Choose an alternative to the if-else statement from the following	Logical operator	Relational operator	Conditional operator	Arithmatic operator
9.	Memory is allocated to a local variable at the time of its.	Declaration	Destruction	Definition	First reference
10.	.exe file is produced by the	Linker	Loader	Compiler	Interpreter
11.	Debugging is the process of	Identifying Errors	Identifying and removing errors	Creating bugs in program	Removing Errors
12.	Which of the following is a valid character constant?	a	"b"	'6'	6
13.	Select a data type that offers the highest precision?	Float	Long int	Long double	Unsigned long int
14.	The function getche ( ) is defined in	stdio.h	string.h	math.h	conio.h
15.	Select an operator with the highest precedence?	!	+	=	= =

21 (Inter Part-II)   (Session 2017-19 to 2019-21)

Computer Science (Subjective)   **SGD-21**   Paper (II)

Time Allowed: 2.10 hours   **SECTION ------------ I**   Maximum Marks: 60

                                        (MS-Access)   6 × 2 = 12

2. Answer briefly any Six parts from the following.

(i) Who is the end user?   (ii) How a relation is formed in database?   (iii) List any two data distribution strategies.   (iv) Define the term analysis.   (v) Which database object is used to create and format printed output?   (vi) What is an IDE?   (vii) Differentiate between form and report.   (viii) List out any four data types available in MS-Access.   (ix) Why are field properties used in MS-Access?

3. Answer briefly any SIX parts from the followings:-   **(C- Language.)**   6 × 2 = 12

(i) Define Program.
(ii) What is the purpose of Linker?

(iii) What is #define Directive? Give an Example.
(iv) How a variable is Declared in C ? Give an example

(v) What are keywords?
(vi) Write two rules for Naming Variables.

(vii) Find Error:
```
if (x = 1 or 2)
    printf ("%d" , x);
```

(viii) Trace Output:
```
int x=5 , y=10;
if (x>y)
y=y+1;
printf ("Value of y=%d",y);
```

(ix) Trace Output:
```
if(7%3 == 0)
    printf ("Punjab");
else
    printf ("KPK");
```

4. Answer briefly any SIX parts from the followings:-   **(C- Language.)**   6 × 2 = 12

(i) Define standard output.
(ii) What is use of format specifiers?

(iii) Differentiate between getch ( ) and getche ( ).
(iv) Define local variable.

(v) Show output of the given code.
```
int m;
for (m = 0 ; m < 10 ; m = m + 2)
printf ("%d", m);
```

(vi) Show output of the given code.
```
int a , s = 0;
for (a = 10 ; a > 0; a - = 1)
s+ = a;
printf ("sum is =%d", s);
```

(vii) Trace errors of the given code.
```
void main ( )
{
  Far (int n = 1 ; n < = 5 , n + +)
    printf ("%d",n)
}
```

(viii) List different types of functions in C.
(ix) What is binary stream?

SECTION ---------- II   **Note: Attempt any ONE question.**   **(MS – ACCESS)**   (8 × 1 = 8)

5. Discuss objectives of Database Management System.

6. When is a relation in first normal form? Explain with example.

SECTION -----------III   **Note: Attempt any TWO questions**   **(C – Language)**   (8 × 2 = 16)

7. What is programming language? Explain two main categories of programming language.

8. Define "if" Statement. Explain its working with Syntax, Flowchart and example.

9. Write a program in C language that inputs a number, and displays its table according to the following format:
Suppose the number entered is 5, the output will be as follows:

     5 * 1 = 5
     5 * 2 = 10
     5 * 3 = 15
     :
     :
     :
     5 * 10 = 50