

Warning:- Please, do not write anything on this question paper except your Roll No.

1223 (Inter Part – II)

(Session 2019-21 to 2021-23)

Roll No _____

Computer Science (Objective)

Paper (II)

SGD-12-23

Sig. of Student _____

Time Allowed:- 20 minutes

PAPER CODE 4831

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.	Which of the following may be a temporary file?	Master file	Transaction file	Back up file	Random file
2.	The foreign key found in:	Parent table	Dependant table	Pivot table	Index table
3.	In hybrid distribution which kind of fragments are stored at only one site:	Critical fragments	Critical and non-critical fragments	non-critical fragments	only large fragments
4.	In relational database, a table is also called a:	Tuple	Relation	File	Schema
5.	How many types of queries are available in Microsoft Access?	4	3	2	5
6.	Which type of Form displays one record at a time?	Tabular	Columnar	Datasheet	Justified
7.	(C.Lang) Preprocessor directives are commands for: or (VB) The rectangle symbol in a flow chart indicates:	Micro processor Condition	Language Processor Input	C Preprocess or Process	Loader Out put
8.	(C.Lang) Select a language that requires no translator to execute the program: or (VB) In visual Basic, a form is another name for a(n):	C Language Label	Assembly Language Method	C++ Property	Machine Language Object
9.	(C.Lang) Program variables are created in: or (VB) Methods characterize an object's:	Cache Style	RAM Behavior	ROM Value	Hard disk Appearance
10.	(C.Lang) Float data type requires memory of: or (VB) The MOD operator is used for:	1 byte Division	2 bytes Multiplication	4 bytes Integer Remainder	8 bytes Exponentiation
11.	(C.Lang) The symbol used for modulus operator is: or (VB) Relational operators are used to:	&& Add numbers	% Compare numbers	== Multiply	! Divide numbers
12.	(C.Lang) The format specifier % f is used for: or (VB) One execution of loop is known as:	int Duration	char Test	float Iteration	long Continuity
13.	(C.Lang) Conditional operator is an alternative of: or (VB) An index can be of the data type:	nested if String	if-else Integer	if Boolean	switch Currency
14.	(C.Lang) Which loop structure always executes at least once: or (VB) Which control provides an identifiable grouping for controls:	for Text Box	do-while Frame Control	while Label	while-do Command Button
15.	(C.Lang) Which of the following looks for the prototypes of functions used in a program? or (VB) Example of a windows common dialog box is:	Processor Label	Linker Text	Loader Timer	Compiler Open

SECTION ----- I

2. Answer briefly any Six parts from the following. (MS-Access) $6 \times 2 = 12$

- (i) What do you mean by data independence? (ii) What is view? (iii) Define end user.
(iv) Why is normalization used. (v) What is homonym?
(vi) What is database wizard? (vii) Define cardinality. (viii) How are records sorted in a query?
(ix) What is checkbox?

3. Answer briefly any SIX parts from the followings:- $6 \times 2 = 12$

C – Language

Visual Basic

- | | |
|---|--|
| (i) Why main function is important in every C Language program? | (i) What is translator? |
| (ii) Differentiate between structured and unstructured programming languages. | (ii) How are controls placed on Form? |
| (iii) Define the "IDE" of turbo C++. | (iii) Who is programmer? |
| (iv) What is object program? | (iv) Distinguish between Load and Unload events. |
| (v) What is user-defined identifier? | (v) What is enable property? |
| (vi) What will be the value of X (integer variable)?
<code>X=3%10% Z;</code> | (vi) Define implicit declaration. |
| (vii) What will be the output of the following code?
<code>printf("%d", 'a'+'b');</code> | (vii) Define Input box. |
| (viii) Trace error from the following code:
<code>int x;
scanf ("%d", x);</code> | (viii) How controls are aligned left? |
| (ix) Differentiate between new line and EOF marker. | (ix) How to make controls of equal size? |

4. Answer briefly any Six parts from the followings:- $6 \times 2 = 12$

C – Language

Visual Basic

- | | |
|---|--|
| (i) What is the use of scanf () function? Write its syntax. | (i) Write two properties of an Algorithm. |
| (ii) Describe the term Format specifier in C-language | (ii) What is the difference between hiding and closing a Form? |
| (iii) Trace the output of the following code segment:
<code>int x=0, y=5, z=4;
x = x+y*2;
y=x-y/2;
printf("%d%d", x,y);</code> | (iii) Define implicit declaration. |
| (iv) Define conditional operator. Write its syntax. | (iv) Describe default property of command button. |

C- Language

Visual Basic

(v) Trace the output of the following code segment:
 int p=3, q=5;
 if((p>q) || (p!=4))
 p=p+1;
 else
 q=p-1;

(v) What is pop up menu?

(vi) Write an expression in C-Language for the following:
 Y is greater than X and less than Z.

(vi) Convert the following code into while---wend loop.
 Dim a As Integer
 For a=1 To 25 step 2
 IF (a Mod 7 < > 0) Then
 Print (a)
 End If
 Next

(vii) What is meant by loop?

(vii) What is Visual Basic event?

(viii) Why is sentinel value used in loop?

(viii) Differentiate between methods and properties.

(ix) Convert the following code into while () loop.

(ix) Define combo box control.

```
int a;
for (a=1; a<=25; a+=2)
if (a%7!=0)
print f("%d\n", a);
```

SECTION ----- II

Note: Attempt any ONE question.

(8 × 1 = 8)

MS - ACCESS

- 5. Describe the file types from usage print of view?
- 6. Briefly describe basic data distribution strategies.

SECTION ----- III

Note: Attempt any TWO questions either from "C – Language" OR from "Visual Basic". (8 × 2 = 16)

- 7. **C – Language** Define "nested if" statement. Explain its working with Syntax, Flowchart and Example.
- 7. **--OR--Visual Basic** Define "Nested if-Then-Else" structure. Explain its working with Syntax, Flowchart and Example.
- 8. **C – Language** Write a program in C-Language which prints the sum of the following series by using loops
 1+4+9+16+25+....+256
- 8. **--OR--Visual Basic** Write a program in VB which prints the sum of the following series by using loops
 1+4+9+16+25+.....+256
- 9. **C – Language** What are global variables? Explain their scope and life time with an example.
- 9. **--OR--Visual Basic** What are global variables? Explain their scope and life time with an example.