

Roll No. 

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(To be filled in by the candidate)

**Computer Science****H.S.S.C (12<sup>th</sup>) 1<sup>st</sup> Annual 2023**

Time : 20 Minutes

Paper : II *SWL-12-23*

Objective - (iii)

Marks : 15

Paper Code 

8	8	3	5
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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 in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

**SECTION-A**

Q.1	Questions	A	B	C	D
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**MS-ACCESS**

1.	Different attributes in two different tables having same name are called:	Synonym	Homonym	Acronym	Mutually exclusive
2.	Customers, cars and parts are examples of:	Entities	Attributes	Cardinals	Relationships
3.	Which of the given is also known as control key?	Sort key	Composite key	Candidate key	Primary key
4.	A collection of related fields is called:	Character	Record	Database	File
5.	Which of the given is used to retrieve data from database and represent it to user in a formatted way?	Report	Form	Query	Table
6.	Which wild card replaces one character only?	*	?	:	!

**C-LANGUAGE**

7.	The value of C expression $9/5*2$ is:	3.6	0.9	0	2
8.	How many bytes are occupied by the statement: float a,b;	1	4	8	16
9.	Logical NOT operator, denoted by ! is a:	Ternary operator	Bitwise operator	Binary operator	Unary operator
10.	The .exe file is produced by?	Linker	Loader	Compiler	Interpreter
11.	Which of the given is the native language of computer?	C-Language	Pascal	Machine language	DOS
12.	The process of sending an argument to a function is called:	sending	filtering	delivering	passing
13.	Which of the given loop is not available in C language?	while wend	while	do while	for
14.	The case block ends with:	End select	End case	break	Case Else
15.	The functions used for input and output is stored in:	stdio.h	conio.h	math.h	inout.h

**OR****VISUAL-BASIC**

7.	For A=4 and B=4, which of the given one evaluates to true?	A<>B	A<B	A>B	A>=B
8.	Which of the given is valid assignment statement?	100=a	c+d=a+b	a=100	4=6
9.	Which operators are used to compare operands?	Arithmetic	Logical	Syntax	Relational
10.	The expression $3 \text{ mod } 5$ has a value equal to:	3	5	0	0.6
11.	Which operator is only used for string concatenation?	Plus sign (+)	Underscore (-)	Ampersand (&)	"and"
12.	The loop that never ends is called:	Continuous loop	Running loop	Nested loop	Infinite loop
13.	One execution of loop is known as:	iteration	cycle	Duration	Test
14.	Which statement is used in For-Next loop for early termination of loop?	Exit	Exit Do	Exit For	break
15.	Which of the given is used for making two way decision?	if-else	if	Nested if	switch

**SECTION-B  
MS-ACCESS**

2. Write short answers to any Six parts.

- Define the term data integration.
- What is the purpose of views in MS Access?
- Define the term entity.
- What is referential integrity?
- Define transitive dependency.

- Differentiate between form and report.
- Write any two advantages of query.
- Write use of OLE object in MS Access.
- List different layout of form.

(6 x 2 = 12)

3. Write short answers to any Six parts from "C-Language" OR "Visual Basic".

**C-LANGUAGE**

- Write the role of preprocessor directive.
- What is main function?
- Define bug and debugging.
- Which type of error is difficult to trace and why?
- Write the output of the code;  
`Printf("value=%d",4-1);`

vi. Describe L value and R value.

vii. What will be the value of x and y ? If x=7:

`y=x++;`viii. Find the errors: `Int a,b=20; Printf{"%d",b};`

ix. Illustrate difference between text and binary streams.

**Visual Basic**

- Define visual programming.
- What is default Event handler?
- Describe Mouse Move Event.
- Define Got Focus Event.
- Discuss cls method of Form.
- What is Caption property?
- Differentiate between properties and methods.
- Discuss the method of assigning properties at run time.
- Define Hexadecimal values from property window.

(6 x 2 = 12)

4. Write short answers to any Six parts from "C-Language" OR "Visual Basic".

**C-LANGUAGE**

- Write down the use of "getch" function.
- What is the use of format specifiers in C language?
- Determine the output of the following code segment:  

```
Void main ()
{
printf("555 It");
printf("999");
printf("In 444");
}
```
- How are instructions executed in sequence structure?
- Determine the output of the following code segment:  

```
if(2==4)
printf("PUNJAB");
else
printf("KPK");
```
- Write the following expression in C:  
w is either equal to 6 or not greater than 3.
- Write the syntax of while loop.
- Define infinite loop.
- Convert the following for loop into while loop.  

```
for(i=1; i <=5 i ++ )
printf("ok");
```

**Visual Basic**

- Write two advantages of list Box?
- How Combo box is used?
- What is image control?
- In which situation scrollbar is used?
- How line control is used?
- What is timer?
- Why loops are important in programming language in VB.
- What is frame?
- What is Active x control?

(6 x 2 = 12)

**SECTION - C  
MS-ACCESS**

Note: - Attempt any One question.

- Define database model. Explain different types of database models.
- Explain physical Database design process.

(8x1=8)

**SECTION - D**

Note: - Attempt any Two questions from "C-Language" OR "Visual-Basic".

**C-LANGUAGE**

- What is control structure? Briefly describe the basic control structures for writing programs. 8
- Write a program in C-language to print the given series. 0 3 6 9 12 15 by using loop. 8
- Write short note on the following: 8
  - Functions without arguments.
  - Functions that return a value and accept arguments.

**VISUAL BASIC**

- What is control structure? Briefly describe the basic control structures for writing programs. 8
- Write a program in VB language to print the given series. 0 3 6 9 12 15 by using loop. 8
- Write short note on the following: 8
  - Functions without arguments
  - Functions that return a value and accept arguments

**CANCELLED**