Roll No. □□□□□□ (To be filled in by the candidate)

Computer Science

Paper : II

H.S.S.C (12th)-A-2022

Objective – (ii)

Time : 20 Minutes

Marks : 15

Paper Code | 8 | 8 | 3 | 3

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   SWL.92-22

Q.1	Questions	A	B	C	D

MS-ACCESS

Q.1	Questions	A	B	C	D
1.	How many table views are available in Microsoft Access?	3	5	2	4
2.	A record is a complete set of _____ field.	Distinct	Related	Designed	Natural
3.	Different attributes in two different tables having same name are referred to as:	Synonym	Homonym	Acronym	Mutually exclusive
4.	An entity related to itself in an ERD model refers to:	Recursive relationship	One-to-Many relationship	Many-to-Many relationship	One-to-One relationship
5.	The foreign key is found in:	Parent table	Dependent table	Pivot table	Index table
6.	Which of the given may be a temporary file?	Master file	Transaction file	Backup file	Random file

C-LANGUAGE

Q.	Questions	A	B	C	D
7.	Memory is allocated to a local variable at the time of its:	declaration	destruction	definition	first reference
8.	Which of the given function is used to write a string to a file?	puts	put c ( )	f puts ( )	f gets ( )
9.	Turbo C++ can compile:	C++ Programs only	C and C++ Programs	Turbo C Programs only	Turbo C++ Programs only
10.	In which loop the condition comes after the body of the loop:	While	Do-while	While wend	For
11.	Which of the given is valid case statement in a switch?	Case I:	Case xcy:	Case 'ab'	Case 2.5:
12.	Escape sequence \\ is used to print:	New line	Backslash	Space	Tab
13.	The logical not operator denoted by !, is a :	Ternary operator	Uniary operator	Binary operator	Bitwise operator
14.	$a+ = b$ is equivalent to:	$b+ = a$	$a = +b$	$a = a + b$	$b = b + a$
15.	Void occupy how many bytes in memory?	Zero	One	Two	Four

OR
VISUAL-BASIC

Q.	Questions	A	B	C	D
7.	Memory is allocated to a local variable at the time of its:	Declaration	Destruction	Definition	First reference
8.	Which of the method will close a file?	Close all	Append	Close	Exit
9.	Visual Basic can compile:	C++ Programs	Visual Basic Programs	C Programs	Java Programs
10.	In which loop the condition comes after the body of the loop?	While...wend	Do..Loop..while	While	For..next
11.	A project file is saved with the given extension:	.vbp	.frm	.vb	.frvb
12.	Which control is used to display text or to accept user input?	Label	Text box	Button	Connector
13.	To exit Visual Basic:	Press Alt+Q	Press Alt+F4	Alt+F6	Ctrl+F4
14.	Lists of commands such as Open, Print and Exit can be found on:	Toolbar	Tool box	Menu bar	Explorer
15.	Visual-Basic is a :	Front-end	Back-end	Reformer	Designer

Computer Science H.S.S.C (12th)-A-2022 Time : 2:10 Hours

Paper : II Subjective ... Marks : 60

SECTION-B
MS-ACCESS

2. Write short answers to any Six parts. (6 x 2 = 12)

i. How would you differentiate between tables and views?
ii. How would you define End User?
iii. How would you present the concept of Data Volume and usage analysis in physical database design?
iv. How can you define about relationships in ERD?
v. Differentiate between Entity Integrity and Referential Integrity?
vi. What is meant by mutually exclusive data?
vii. Write down any two main uses of reports.
viii. How would you distinguish between form and sub-form?
ix. What are use of toolbars in MS Access?

3. Write short answers to any Six parts from "C-Language" OR "Visual Basic". (6 x 2 = 12)

C-LANGUAGE

i. Write down role of define directive.
ii. Write down the use of delimiters.
iii. Define variable declaration.
iv. How character constants are written in C-Language?
v. Trace errors from following code;
```
int     marks=80
Char    ch
```
vi. Write down a C statement that initialize a character variable with z.
vii. Define format specifier.
viii. Write down output of following code:
```
printf ("Name\t Roll No\n marks");
```
ix. Trace errors from following code;
```
Char  ch
ch = Getch ( );
```

Visual Basic

i. Define comboBox control.
ii. List down any four form methods.
iii. What is use of listbox control?
iv. Differentiate between event and event handler.
v. Write down common properties of textBox.
vi. What is meant by context menu?
vii. Define PictureBox control.
viii. Define project explorer.
ix. How many ways to get input in visual basic, write their syntax?

4. Write short answers to any Six parts from "C-Language" OR "Visual Basic". (6 x 2 = 12)

C-LANGUAGE

i. What is compound statement?
ii. Find the output of code written below;
```
int Z=ll;
if    (Z % 2 = = 0)
        printf ("even");
else
        printf ("odd");
```
iii. What is sentinel loop?
iv. Find the output of code written below.
```
int  n;
for (n=0; n<5; n++)
printf ("% c",'a'+n);
```
v. Convert the following code into for loop;
```
int  c=0;
while  ( c < 10)
{
        printf ("% d",c);
        c=c+2;
}
```
vi. What is function header?
vii. What is lifetime of a variable?
viii. Why return statement is used in functions?
ix. What is text stream?

Visual Basic

i. What is relational expression?
ii. What is the use of Goto statement in VB?
iii. Define protest loop.
iv. How Do....Until..... Loop works?
v. Define module?
vi. What are procedure level variables?
vii. Define function procedure?
viii. What is meant by the term pass by value?
ix. What is the use of Exit Sub and Exit Function?

SECTION – C
MS-ACCESS

Note: - Attempt any one question. 8x1=8

5. Write down four major components of database system in detail.
6. What is Query? Discuss different types of queries.

SECTION – D

Note: - Attempt any two questions from "C-Language" OR "Visual-Basic". 8x2=16

C-LANGUAGE

7. Write down the step-by-step procedure to create a C-program? 8
8. Write a program in C-language that accepts three numbers from user and display the largest number using nested if. 8
9. What is nested loop? Write its syntax and explain its working with flowchart and example. 8

VISUAL BASIC

7. How can we create a project in VB? Explain its different steps. 8
8. Write a program in VB that input three numbers by using three text box and display the largest number. 8
9. What is nested loop? Write its syntax and explain its working with flowchart and example. 8