

Computer Science

**H.S.S.C (12<sup>th</sup>)-A-2022**

Time : 20 Minutes

Paper : II

Objective – (ii)

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**

|    |   |                        |                          |                           |                         |
|----|---|------------------------|--------------------------|---------------------------|-------------------------|
| 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**

|     |  |                   |                    |                       |                         |
|-----|--|-------------------|--------------------|-----------------------|-------------------------|
| 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  | Unary 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**

|     |   |              |                       |            |                 |
|-----|---|--------------|-----------------------|------------|-----------------|
| 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        |

**SECTION-B**  
**MS-ACCESS****(6 x 2 = 12)****2. Write short answers to any Six parts.**

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

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

- Write down role of define directive.
- Write down the use of delimiters.
- Define variable declaration.
- How character constants are written in C-Language?
- Trace errors from following code;
 

```
int marks=80
Char ch
```
- Write down a C statement that initialize a character variable with z.
- Define format specifier.
- Write down output of following code:
 

```
printf("Name\t Roll No\n marks");
```
- Trace errors from following code;
 

```
Char ch
ch = Getch();
```

**Visual Basic**

- Define comboBox control.
- List down any four form methods.
- What is use of listbox control?
- Differentiate between event and event handler.
- Write down common properties of textBox.
- What is meant by context menu?
- Define PictureBox control.
- Define project explorer.
- 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**

- What is compound statement?
- Find the output of code written below;
 

```
int Z=11;
if (Z % 2 == 0)
printf("even");
else
printf("odd");
```
- What is sentinel loop?
- Find the output of code written below.
 

```
int n;
for (n=0; n<5; n++)
printf("%c", 'a'+n);
```
- Convert the following code into for loop;
 

```
int c=0;
while (c < 10)
{
printf("%d",c);
c=c+2;
}
```
- What is function header?
- What is lifetime of a variable?
- Why return statement is used in functions?
- What is text stream?

**Visual Basic**

- What is relational expression?
- What is the use of Goto statement in VB?
- Define protest loop.
- How Do....Until..... Loop works?
- Define module?
- What are procedure level variables?
- Define function procedure?
- What is meant by the term pass by value?
- What is the use of Exit Sub and Exit Function?

**SECTION - C**  
**MS-ACCESS****8x1=8****Note: - Attempt any one question.**

- Write down four major components of database system in detail.
- 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**

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

**VISUAL BASIC**

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