

INTERMEDIATE PART-II (12th CLASS)**COMPUTER SCIENCE (NEW SCHEME)**

TIME ALLOWED: 3.10 Hours

PAPER-II**SUBJECTIVE**

MAXIMUM MARKS: 83

**NOTE: - Write same question number and its part number on answer book,
as given in the question paper.****SECTION-I****(Either from “MS-Access & C-Language” or from “MS-Access & Visual Basic”).****MS-ACCESS****2. Attempt any Eight parts.****8 x 2 = 16**

- (i) What is field?
- (ii) What is Backup file?
- (iii) Name two features of DBMS?
- (iv) Enlist different types of Database Models.
- (v) What is Primary Key?
- (vi) Who is Data Administrator?
- (vii) What are Relationships?
- (viii) What is Data Integrity?
- (ix) What are Reports?
- (x) What is extension of Database File in MS ACCESS?
- (xi) Write two Characteristics of tables.
- (xii) Name two layouts of forms in MS ACCESS.

3. Attempt any Eight parts.**8 x 2 = 16****(Note: In each option 1st question relates to C-Language and 2nd question relates to Visual Basic)**

- (i) Distinguish between Low level and High level language. OR
Differentiate between Source Code and Object Code.
- (ii) Define preprocessor directive. OR
Define Interpreter.
- (iii) What is Syntax error? Give an example. OR
Define Problem Solving.
- (iv) Trace the error.

```
int a = 6
++a;
Print f (“%f”, a)
```

 OR
Define the process of analyzing a problem.
- (v) Define comments in C. OR
What is Integrated Development Environment?
- (vi) Define Implicit Type Casting. OR
What is Project Explorer Window?
- (vii) Distinguish between a Constant and a Variable. OR
What is Code Window?
- (viii) Predict the output of the following:-

```
float f = 3.14159;
printf (“f = % 4.2 f ”, f);
```

 OR
Define the Caption Property of Form.
- (ix) Predict the output:-

```
{
Printf (“*\n**\n***”);
}
```

 OR Define the form event load.
- (x) Trace the error in following code:-

```
float r;
Clrscr ()
printf (“Enter radius”);
Scanf (“% f, r);
```

 OR
Write the syntax of declaring a Variable.
- (xi) List some important function for input. OR
Define String Variables.
- (xii) List out different types of format specifier. OR
Define comments in VB.

4. Attempt any six parts.**6 x 2 = 12****(Note: In each option 1st question relates to C-Language and 2nd question relates to Visual Basic)**

- (i) Define Sequential Structure. OR
What is IDE?
- (ii) Write the syntax of “Switch” statement. OR
Explain two Conditional Structures.

(2)

- (iii) What is the output of given code?

```
int b = 6, c = 5;  
if ( b++ == 7 && ++c == 5 )  
{  
    b = c;  
    printf ( " % d \ n " , ++b );  
}  
else  
    printf ( " % d \ n " , b - - );
```

 OR
How are event procedure named?
- (iv) Trace the errors in following codes:-

```
include < stdio . h >  
vaid main vaid  
{  
    if ( 16 > 10 ) then  
        printf ( " % C " , " Pakistan " );  
        getch ( );  
}
```

 OR
Define FOR-Next loop.
- (v) Define "do-while" Loop. OR
How subscript variables are written?
- (vi) Write syntax of for loop. OR
What is Intrinsic Controls?
- (vii) How does a function make programming easier? OR
Which function loads a picture at run time?
- (viii) Describe built in function. OR
What is the purpose of the timer control?
- (ix) Define a Pointer. OR
What is list index property?

SECTION-II (Essay Type)

NOTE: - Attempt any one question.

MS-ACCESS

5. Define Data Modelling. What are the ingredients of Data Modelling? 2 + 6 = 8
6. What is table? Discuss different parts of a table. 8

NOTE: - Attempt any two questions either from "C-Language" OR from Visual Basic".

C-Language

7. Define programming language. Describe the types of programming language in detail. 8

OR

Visual Basic

- What is Constant? Write down the types of Constant in Visual Basic. 8

C-Language

8. Write a program that inputs a character from user and tells whether it is Vowel or Consonant. 8

OR

Visual Basic

- Write a program that inputs a character from user and tells whether it is Vowel or Consonant. 8

C-Language

9. What is Nested Loop? Explain with example in C-Language. Also describe a situation where Nested Loop can be applied? 8

OR

Visual Basic

- What Is Nested Loop? Explain with example in Visual Basic. In which situation it is used? 8

SECTION-III (PRACTICAL)

Attempt any three parts of the questions.

3 × 5 = 15

10. (i) Write the procedure to create table in design view.
- (ii) Explain the procedure to create form.
- (iii) Write a program that inputs length and width of a rectangle and computes its area in C-Language or in Visual Basic.
- (iv) Write a program that inputs a number and checks whether it is even or odd using function in C-Language Or in Visual Basic.
- (v) Write a program to display numbers from 1 to 100 in C-Language or in Visual Basic.