Important Instructions

Note. Q.No.1 from Sr. No. 7 to 15 is of two types : - (i) C - Language (ii) Visual Basic. The candidates are required to attempt any one of them . While Q.No.1 from Sr. No. 1 to 6 is compulsory for all candidates.

Note : Four possible choices A , B , C , D to each question are given. Which choice 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.

MS - ACCESS

Q.N.1

(1) Which of the following is used to associate entities with one another : (A) Entity (B) Attribute (C) Identifier (D) Relationship

(2) A Virtual Table that is constructed from other tables is called : (A) Tuple (B) Table (C) View (D) Report

(3) Which of the following may be a temporary file : (A) Master File (B) Transaction File (C) Back Up File (D) Office File

(4) The Graphical Query Tool is known as : (A) Query Grid (B) Design Grid (C) Query Form (D) Design Form

(5) The smallest meaningful unit of Data in a Database is called : (A) Byte (B) Record (C) Character (D) Field

(6) A constraint between two attributes is called : (A) Functional Relation (B) Attribute Dependancy (C) Functional Dependancy (D) Relation Constraint

C - Language

(7) Functions used for I / O are stored in : (A) Stdio . h (B) Conio . h (C) Math . h (D) Inout . h

(8) The Data type in C that can handle Fractional Values is called : (A) Long (B) Char (C) Float (D) int

(9) The lowest level of Programming Language is : (A) Java (B) Assembly Language (C) Pascal (D) Fortran

(10) In Switch Statement, the Case Block ends with : (A) End (B) Stop (C) Break (D) Abort

(11) One Execution of a Loop is known as a (n) : (A) Cycle (B) Duration (C) Iteration (D) Test

(12) In the Statement FILE * FP, the * represents to : (A) Pointer (B) Variable (C) Multiplication (D) Parameter

(13) Which Operation is performed by Relational Operators : (A) Comparison (B) Addition (C) Subtraction (D) Division

(14) A file is stored in : (A) RAM (B) Hard Disk (C) ROM (D) Cache

(15) Which of the following is not a Loop Structure in C : (A) While (B) Condition (C) Do - While (D) For

Visual Basic

(7) A project file is saved with extension : (A) . vbp (B) . vb (C) . frm (D) . frx

(8) Forms and Controls are collectively recognized as : (A) Properties (B) Methods (C) Objects (D) Events

(9) The Step by Step procedure to solve a problem is called : (A) Program (B) Algorithm (C) Language (D) Flowchart

(10) A function that can impart some action to an object is called : (A) Property (B) Control (C) Method (D) Attribute

(11) Which of the given is not a relational operator : (A) < > (B) > = (C) & (D) < =

(12) What is the representation of the Third Element in array called N : (A) N (2) (B) N (3) (C) N (1) (D) N (4)

(13) You can enter data in a control only when it has : (A) Focus (B) Tab Order (C) Mask (D) Control Value

(14) A loop that has no end is called : (A) Running Loop (B) Infinite Loop (C) Finite Loop (D) Active Loop

(15) How many bytes are occupied by Integer Data Type in V.B. : (A) 12 (B) 04 (C) 10 (D) 16

---------- ☆ ☆ ☆ ☆ ☆ ----------

Section - I (MS - ACCESS) is compulsory for all candidates and candidates have to attempt any (06) parts from Q.No. 2.
Attempt any (6 - 6) parts of Q.No. 3 and Q.No. 4 that consists of two parts i - e - C - Language and Visual Basic.
The candidates have to attempt any one from these - i - e - either C Language or Visual Basic. While attempt Section - II
and Section - III according to given instructions.

BWP-12-18 | Section - I | MS - ACCESS | 18 x 2 = 36

Q.No.2 (i) What is Database System?

(ii) Why do people use Database?

(iii) List any two properties of a relation.

(iv) Distinguish between Entity and Entity Instance.

(v) How Homonyms create problems in Database?

(vi) Differentiate between A Table and Database.

(vii) Name two Table Views in MS - Access.

(viii) What is the Purpose of Radio Button?

(ix) Define the term Data Integrity.

C - Language

Q.No.3 (i) Define Computer Program.

(ii) What is Assembly Language?

(iii) State Character Constant.

(iv) Describe Variable Initialization.

(v) Describe \ n Escape Sequence.

(vi) Write two main categories of Programming Languages.

(vii) Determine the Output :

```
print f ( " 777 \ n " ) ;
print f ( " 77 " ) ;
```

(viii) Determine the Output :

```
int num = 10 ;
num *  = 5 ;
print f ( " % d " , num ) ;
```

(ix) Find the Errors :

```
void main ( ) ;
{
int x =  5 ;
printf ( " % d " , x ) ;
}
```

Visual Basic

Q.No3 (i) Define Computer Program.

(ii) What is Assembly Language?

(iii) Describe Variable Initialization.

(iv) State Character Constant.

(v) Describe vbcrLf in V.B.

(vi) Write two main categories of Programming Languages.

(vii) Determine the Output :

```
Dim num = 10 as Integer
num = num * 5
Msg Box num
```

(viii) Determine the Output :

```
Msg Box " 777 " & vbcrLf
Msg Box " 77 "
```

(ix) Find the Errors :

```
Dimm x = 5  as integer
Msg Box  x ;
```

P.T.O.

C- Language

(v) Write the output of the following code:
```
int x;
for (x=0; x<5; x++)
printf ("%d",x);
```

(vi) Convert the following code into for loop:
```
int c = 0;
while (c<5)
{
    printf ("%d",c);
    c++;
}
```

(vii) Define user defined function.

(viii) Describe function defination.

(ix) How is a file closed?

Visual Basic

(v) Write the output of the following code:
```
Dim a,b As Integer
a = 4
b = 2
If a > b then
Msg Box "correct"
End If
```

(vi) Convert the following code into for..next loop:
```
Dim c As Integer
c = 0
while c < 5
print c
c = c + 1
wend
```

(vii) Define implicit declaration of variable.

(viii) How comments are added in VB?

(ix) Differentiate between project file and form file.

SECTION ------------ II

Note: Attempt any ONE question.   (8 × 1 = 8)

MS - ACCESS

5. Briefly describe basic data distribution strategies.

6. Describe any Eight data types available in MS. Access.

SECTION ------------ III

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

7.	C – Language	Describe any four steps to prepare a C-program for execution.
7.	Visual Basic	What is visual basic application? Write steps to develop a visual basic application.
8.	C – Language	Write a program that inputs a character from user and checks whether it is a vowel or not.
8.	Visual Basic	Write a program that inputs a character from user and checks whether it is a vowel or not.
9.	C – Language	Define for loop. Explain its working with the help of an example and flowchart.
9.	Visual Basic	Define For-----Next loop? Explain its working with the help of an Example and flow chart.

SGD-B2-18