(Important Instructions)

Note: Q.No.1 from Sr.No.7 to Sr.No.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 Sr.No.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 No. 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.No.1		
(1)	In a Relational Database , a single piece of information is called :	(A) Record (B) Row (C) Field (D) Entity
(2)	Which of the following object is used to retrieve data from database and present in a formatted way :	(A) Report (B) Form (C) Table (D) Query
(3)	Two Different names are used for same information is known as :	(A) Mutually Exclusive (B) Redundant (C) Synonyms (D) Homonyms
(4)	In an ER diagram , a Rectangle represents :	(A) Entity (B) Optional One (C) Relationship (D) Attribute
(5)	A Table must have :	(A) Composite Key (B) Primary Key (C) Secondary Key (D) Sort Key
(6)	Storing and Retrieval of Data is related to :	(A) Data Capturing (B) Data Manipulation (C) Data Sorting (D) Managing the Output Results

C - Language

(7)	The fopen ( ) function uses :	(A) 01 Parameter (B) 02 Parameters (C) 03 Parameters (D) 04 Parameters
(8)	The process of sending an argument to a function is called :	(A) Filtering (B) Delivering (C) Throwing (D) Passing
(9)	How many types of Loop Structure are available in C - Language :	(A) 3 (B) 6 (C) 9 (D) 12
(10)	In C – Language , (p $>$ = q) is equivalent to :	(A) p < q (B) ! (p< q) (C) p == q (D) p != q
(11)	The general form of Format Specifier for Floating Point Value is :	(A) % m . nf (B) m . n % f (C) m % n . f (D) m % nf
(12)	Single Line Comments start with :	(A) # (B) */ (C) /* (D) //
(13)	In C – Language , the symbol " = " represents :	(A) Assignment (B) Address (C) Comparison (D) Decision
(14)	The Semi Colon is used in C – Program to :	(A) Terminate a C Statement (B) Compile a C – Statement (C) Start a C – Statement (D) Execute a C - Statement
(15)	C - Language is a :	(A) Low Level Language (B) Assembly Language (C) High Level Language (D) Machine Language

Visual Basic

(7)	Which Form Property will put text in the title bar of the Form :	(A) Title (B) Caption (C) Border Text (D) Header
(8)	The naming prefix for a label control is :	(A) lab (B) lbe (C) bel (D) lbl
(9)	The keyword that marks the end of For --- Next structure is :	(A) Next (B) Do (C) Until (D) End
(10)	In if statement , false is represented by :	(A) 0 (B) 1 (C) 2 (D) 3
(11)	The Rectangle Symbol in a Flowchart indicates :	(A) Process (B) Condition (C) Input (D) Output
(12)	Visual Basic is a product of :	(A) Sun System (B) IBM (C) Hewlett (D) Microsoft
(13)	In V.B., Textbox is a :	(A) Control (B) Project (C) Label (D) Form
(14)	Which one is not a High Level Language :	(A) Machine (B) Java (C) Cobol (D) C ++
(15)	Which shortcut key is used to save a Form :	(A) Ctrl + O (B) Ctrl + F5 (C) Ctrl + S (D) Ctrl + F2

Note : 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 two 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-22

Section - I	(MS – ACCESS)	18 x 2 = 36

Q.No.2	(i)	Define the term Index.
	(ii)	Distinguish between Primary Key and Foreign Key.
	(iii)	Define Entity or Object.
	(iv)	Identify different components of ER Diagram.
	(v)	What is Referential Integrity ?
	(vi)	Why is Normalization used ?
	(vii)	List any two facilities provided by RDBMS.
	(viii)	Differentiate between Check Box and List Box.
	(ix)	What is Sub – Form ?

(C - Language)

Q.No.3	(i)	Define Delimiters.	(ii)	What are Keywords ? Give example.
	(iii)	Write the use of Define Directives. Also give example.	(iv)	Write following Arithmetic Expression in ' C ' $a(b \div 3 * 4 - 6 + 7)$
	(v)	Enlist symbol of Relational Operators.	(vi)	What are Format Specifiers ? Also give example.
	(vii)	What is Assembly Language ?	(viii)	Determine the output of the following code : int ch = 97 ; printf (" % c " , ch) ; printf (" % d " , ++ ch) ;
	(ix)	Find and remove errors in the following code : char c , getch (c) ;		

(Visual Basic)

Q.No.3	(i)	Define Explorer Window.	(ii)	What is Form ?
	(iii)	Write any two rules for naming controles.	(iv)	Convert the following code in V.B. format $a(b \div 3 * 4 - 6 + 7)$
	(v)	Differentiate between Implicit Declaration and Explicit Declaration.	(vi)	Find and remove errors : Dim ch as char 5 = ch
	(vii)	Enlist any four data types available in V.B.	(viii)	Define user define data type with example.
	(ix)	Define Computer Program.		

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(C - Language) BoP-22

Q.No.4	(i)	Write the syntax of " Switch " Statement.	(ii)	Define Sentinel Loop.

	(iii)	What is the output of the following code :
		if (2 % 3 > = 1)
		printf (" Good ");
		else
		printf (" Bad ");
			(iv)	Predict the output of the following code segment :
				int x = 10 ;
				for (x = 8 ; x > = 1 ; x --)
				printf (" % d " , x % 2) ;

	(v)	Convert the following code into while loop :
		i = 3 ;
		do
		{
		printf (" % d \ n " , i) ;
		i + = 3 ;
		while (i < = 21) ;
		}
			(vi)	Write two difference between Global and Local Variable.

	(vii)	Define Function.	(viii)	What is Function Argument ?
	(ix)	Write the syntax of Closing a File.		

(Visual Basic)

Q.No.4	(i)	What is the difference between 'Value' Property of Option Button and Value Property of Check Box ?		
	(ii)	Write the advantages of having parent and child form .	(iii)	How many times does the following loop Execute : m = 10 Do while m > = 1 m = m – 1 loop
	(iv)	What is Control Array ?	(v)	Write the general syntax of function definition .
	(vi)	Define Function Argument in V.B.	(vii)	What is the significance of a File Number ?
	(viii)	Define Append Mode.	(ix)	What is Standard Code Module ?

Section II (MS – ACCESS)

Note : Attempt any one of the following questions.

Q.No.5	What are the four major components of the Database System ? Write in detail.	(08)
Q.No.6	What is Table ? Write down various characteristics of Tables.	(08)

Section III

Note : Attempt any two questions either from " C - Language or Visual Basic "

C - Language

Q.No.7	How would you define High Level Language ? Write common characteristics of all High Level Programming Languages.	(08)
Q.No.8	Write a program that input day of week and print name of the day. If user enter 1 It print Monday.	(08)
Q.No.9	What is While Loop ? Explain its working with the help of example, syntax and Flowchart.	(08)

Visual Basic

Q.No.7	How would you define High Level Language ? Write common characteristics of all High Level Programming Languages.	(08)
Q.No.8	Write a program that input week day using input box and display message of day name using message box. If user input 1 then It display Monday.	(08)
Q.No.9	What is Do --- While --- Loop ? Explain its working with the help of a program example, syntax and Flowchart.	(08)