Computer Science	(D)	L.K.No. 1075	Paper Code No. 8837

Paper	II	(Objective Type)	(Ist – A – Exam – 2023)	
Time	:	20 Minutes	Inter (Part - II)	Session (2019 – 21) to (2021 – 23)
Marks	:	15		

(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

Bwp-12-23

Q.No.1		
(1)	In 2NF , which form of dependency is removed :	(A) Partial Functional (B) Non – Functional (C) Associative (D) Transitive
(2)	The output of a Query is in the form of :	(A) Form (B) Query (C) Table (D) Macros
(3)	An Attribute is also known as :	(A) Record (B) Row (C) Field (D) Relation
(4)	Which file is used to store information that remains constant for a long time :	(A) Data File (B) Master File (C) Transaction File (D) Backup File
(5)	To find all names start with F , from Table , criteria is :	(A) Like " F ? " (B) Like " F – " (C) Like " F # " (D) Like " F * "
(6)	Which of the following is used to associate entities with one another :	(A) Entity (B) Attribute (C) Relationship (D) Relation

C - Language

(7)	Which of the given is a Valid Character Constant :	(A) P (B) ' @ ' (C) " C " (D) =
(8)	The number of digits after a decimal point is called :	(A) Significance (B) Range (C) Precision (D) Scope
(9)	In which loop , initialization is the part of its syntax :	(A) for (B) do - while (C) while loop (D) for each
(10)	What is the variable that is used by a function to receive an argument :	(A) Expression (B) Parameter (C) Constant (D) Function
(11)	The escape sequence begins with :	(A) { (B) # (C) * (D) \
(12)	In C – Language int is :	(A) Special Word (B) Keyword (C) Cut Word (D) First Word
(13)	Which Programming Structure executes Program Statements in an order :	(A) Sequence (B) Relation (C) Decision (D) Repetition
(14)	Conditional Operator is an alternate of :	(A) If (B) If - else (C) Nested If (D) If – Else - if
(15)	The number of Bytes used by int data type in C is :	(A) 2 (B) 8 (C) 12 (D) 16

Visual Basic

(7)	A string literal must be enclosed in :	(A) { } (B) " " (C) ( ) (D) ' '
(8)	A Project File is saved with the given extension :	(A) .frm (B) .bmp (C) .vbp (D) .frx
(9)	Which of the following loop is also known as Counter Loop :	(A) For Next (B) While (C) Do – While (D) Do – Loop
(10)	What is the variable that is used by a function to receive an argument :	(A) Expression (B) Parameter (C) Constant (D) Function
(11)	Which Events occurred after a form has closed :	(A) Shut Down (B) End Close (C) Form Opening (D) Form Closed
(12)	Which method is used to delete an item from the list box :	(A) Add Item (B) Remove Item (C) Clear Item (D) Erase Item
(13)	Which of the following reverse the Boolean Value of a Relational Expression :	(A) NOT (B) AND (C) OR (D) BUT
(14)	Which of the given is not a Visual Basic Data Type :	(A) Byte (B) Register (C) Long (D) Integer
(15)	The number of bytes used by integer data type in V.B. is :	(A) 2 (B) 8 (C) 12 (D) 16

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-12-23 | **Section – I** | (MS – ACCESS) | 18 x 2 = 36

Q.No.2	(i)	What do you mean by File Organization?
	(ii)	Define Candidate Key.
	(iii)	Write any two important characteristics of Primary Key.
	(iv)	What is meant by Entity Integrity ?
	(v)	What are Database Anomalies ?
	(vi)	Define Query.
	(vii)	Define the term Degree of a Relation.
	(viii)	What is the use of Input Mask ?
	(ix)	Differentiate between Form and Report.

(C - Language)

Q.No.3	(i)	What do you mean by Machine Independence?	(ii)	Write short cut key for saving and compiling a C Program.
	(iii)	Define Assembly Language.	(iv)	What is main Function ?
	(v)	What is Garbage Value ?	(vi)	Why it is important to Close a File and how a file is closed ?
	(vii)	Trace Output : void main ( ) { Int a = 5 ; a * = 2 ; Printf (" % d ", a) ; }	(viii)	Trace Errors in the following : Char ch = a ; Scanf (" % d , ch) ;
	(ix)	Write C Statement to declare Integer Variable x and assign any value to x .		

(Visual Basic)

Q.No.3	(i)	Define Event Driven Programming.	(ii)	List different types of Property Values.
	(iii)	Differentiate between Unload and terminate event of Form.	(iv)	What is Natural Hierarchy of Operations in Numeric Expression ?
	(v)	What are Symbolic Constant ?	(vi)	How Concatenation is performed in V.B.?
	(vii)	Write purpose of Const Statement.	(viii)	What is the purpose of Int Function?
	(ix)	How Message Box can be used to display error messages ?		

P.T.O.

(C - Language)   Bwp-12-2)

Q.No.4	(i)	Define " Clrscr " function.	(ii)	Define Sentinel Loop.
	(iii)	Write the output of the following code : Float p = 79 . 23 ; Printf (" % 10 . 1 f " , p) ;	(iv)	Convert the following sentence into C Expression : " marks are greater than 70 and less than 80 "
	(v)	Discuss the role of " \ b " .	(vi)	Define Control Structure.

	(vii)	Convert the following loop into do - while loop :
		 i = 1 ;
		 While (i < = 4)
		 {
		 Printf (" World ") ;
		 i + + ;
		 }
			(viii)	Write the output of the following code :
				 If (50 < 20)
				 Printf (" ABC ") ;
				 Printf (" DEF ") ;

	(ix)	What is For Loop ?		

(Visual Basic)

Q.No.4	(i)	Describe the role of Variant Data Type.		
	(ii)	What is Variable Initialization?	(iii)	Define Keywords.
	(iv)	Differentiate between Literal and Symbolic Constant.	(v)	Enlist different properties of Combo Box Control.
	(vi)	What is List Box Control?	(vii)	Define Timer Control.
	(viii)	What is Check Box Control ?	(ix)	Discuss the role of Option Explicit.

Section II (MS - ACCESS)   Note : Attempt any one of the following questions.

Q.No.5	Discuss different objectives of DBMS.	(08)
Q.No.6	What is Physical Database Design ? Discuss the major inputs to physical design.	(08)

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

C - Language

Q.No.7	Explain Switch Statement with the help of a Program. Also write its syntax and draw Flow Chart.	(08)
Q.No.8	Write a Program in C to display the following series using loop : 0 2 4 6 8 10 12 14 16	(08)
Q.No.9	What is Local Variable ? Describe its syntax , lifetime and scope in C Language.	(08)

Visual Basic

Q.No.7	Explain Select --- Case Structure with the help of a Program . Also write its Syntax and draw Flow Chart.	(08)
Q.No.8	Write a Program in V.B. to display the following series using loop : 0 2 4 6 8 10 12 14 16	(08)
Q.No.9	What is Local Variable ? Describe its syntax , lifetime and scope in VB Language.	(08)