

Part II (Objective Type)

Inter - A - 2019

New Pattern

Allowed : 20 Minutes

Inter (Part - II)

Maximum Marks : 15

Session (2015 - 2017) to (2017 - 19)



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.

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

Which of the following may be a temporary file :

(A) Master File (B) Transaction File (C) Backup File (D) Data File

Insert Command is used to insert : (A) A New Record (B) A New Table (C) A View (D) Dependencies

Organizing the Database in Computer Disk Storage is done in :

(A) Logical Design (B) Analysis (C) Physical Design (D) Implementation

In 2NF, which form of dependency is removed :

(A) Transitive (B) Functional (C) Non-Functional (D) Partial

A Database consists of various components called : (A) Object (B) Tools (C) Properties (D) Entities

Find and Replace Command is found in : (A) File Menu (B) Edit Menu (C) Tool (D) View Menu

C - Language

Void Keyword occupy how many bytes in memory : (A) Three (B) Two (C) One (D) Zero

The expression $0 \% 4$ has a value equal to : (A) 4 (B) 1 (C) 2 (D) 0

The Escape Sequence for backslash is : (A) \ (B) \ b (C) \\ (D) \ t

The Operators to compare operands and decide if the relation is true or false :

(A) Arithmetic Operators (B) Logical Operators (C) Relational Operators (D) Syntax Operators

The Case Block ends with : (A) Break (B) End Select (C) End Case (D) Default

Semi Colon is placed at the end of condition in :

(A) While Loop (B) Do - While - Loop (C) For - Loop (D) Wend - Loop

What will be the final value of b after executing the code ? for (b = 2 ; b < 7 ; b++) :

(A) 2 (B) 5 (C) 7 (D) 9

The statement that activates a function is known as :

(A) Function Output (B) Function Definition (C) Function Prototype (D) Function Call

The character used to mark the end of string : (A) \ a (B) \ n (C) / 0 (D) \ 0

Visual Basic

Basic was introduced in : (A) 1940 (B) 1950 (C) 1970 (D) 1960

Which is not a V.B. Control : (A) Form (B) Command Button (C) Text Box (D) Variable

A procedure or function that imparts some action to an object :

(A) Property (B) Control (C) Method (D) Value

A Project File is saved with the given extension : (A) .FRM (B) .VB (C) .VBP (D) .FRX

Select Case block ends with : (A) End Select (B) Close Select (C) Break Select (D) Stop Select

The increment in a For - Next Loop can be : (A) One (B) Positive (C) Two (D) Three

The keyword that marks the end of do structure : (A) Do - Exit (B) End Do (C) Loop (D) Exit Do

If an array has 10 values, what is the upper bound of array : (A) 0 (B) 11 (C) 10 (D) 9

The keyword is used to make a variable visible to all modes : (A) Vision (B) Dim (C) Private (D) Public

B

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Computer Science (Subjective)	Inter-A-2019	New Pattern	Time 2:10 Hrs Marks : 60
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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.

Section - I

MS - ACCESS

18 x 2 = 36

- No.2 (i) Why is Report Generator used in Database System? (ii) What do you mean by File Organization?
 (iii) Why are Keys defined in Tables? (iv) Differentiate between Cardinality and Modality.
 (v) Define Synonym. (vi) What are the Database Anomalies?
 (vii) What is the purpose of Radio Button?
 (viii) List out different data Types available in MS - Access.
 (ix) List any five buttons available on Access Database Window.

C - Language

- No.3 (i) What are Pre-processor Directives? (ii) Define Object Code.
 (iii) Why are comments used in a C Program? (iv) Define getch () function.
 (v) Find errors in the following Code : (vi) Determine the output of the following Code Segment :
- ```
void main ()
{
 int x = 5
 int y ;
 y = x + 3 ;
 printf (" % d , y) ; }

float f = 6.3159 ;
printf (" f = % 3.2 f " , f) ;
```
- (vii) Write a Single C Statement to print the following Output :
- ```
Hello to
The World of
C Programming
```
- (viii) What will be the Output of the following code :
- ```
int m = 7 ;
int y = 3 ;
Print f (" % d " , m % y) ;
```
- (ix) Write a Statement to Declare an Integer Variable Initialized to 10

Visual Basic

- 103 (i) What does an Object consists of ? (ii) Differentiate between a Project and Solution.  
 (iii) Define Design Time Mode. (iv) How do you lock controls on a form?  
 (v) Define Methods. (vi) What is Load Event?  
 (vii) Define Operators Precedence. (viii) How Comments are added in a Program?  
 (ix) Convert the given Expression in V.B. :  $x^2 + 3x - 4$

C - Language

- 104 (i) Why Break Statement is used in a " switch " structure? (ii) Write the syntax of if — else statement.  
 (iii) What is Counter Controlled Loop? (iv) What is Port Test Loop?  
 (v) What is Function Declaration or Function Prototype? (vi) What is the use of Actual Parameters?  
 (vii) Why is it important to Close a File?  
 (viii) Find the output of the following code segment : (ix) Convert the following code in while — loop :
- ```
int x = 10 ;
( x % 2 == 0 ? printf ( " Even " ) : printf ( " odd " ) ) ;

for ( int i = 3 ; i <= 9 ; i + = 3 )
  printf ( " \ t % d " , i ) ;
```

Visual Basic

- 104 (i) What is an Infinite Loop? (ii) What is the use of Call Keyword?
 (iii) What does MDI means? (iv) Why Array List is more Powerful and Flexible than arrays?
 (v) How many times does the following loop execute :
 For N = 1 to 10
 Next
 (vi) How can two groups of Radio Buttons work independently?
 (vii) Differentiate between List Box and Combo Box.
 (viii) How Graphics can be displayed in an image control?
 (ix) Can Do — Until — Loop be written as pretest or porttest? Give example.

P.T.O.

BWP-12-19

Section - II (MS - ACCESS)

Note : Attempt any one of the following questions.

Q.No.5 Define Database System. Describe four major components of Database system in detail. (8)

Q.No.6 Discuss different options for Editing Forms in MS - Access. (8)

Section - III

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

C - Language

Q.No.7 Explain scanf Function with suitable examples. (8)

Q.No.8 What is Control Structure? Briefly describe the basic control structures for writing Programs. (8)

Q.No.9 Write a Program in C - Language that inputs a number from user and prints the table of number to be entered by user. (8)

Visual Basic

Q.No.7 Explain different Select - Case Structures used in Visual Basic. (8)

Q.No.8 What is Control Structure? Briefly describe the basic control structures for writing Programs. (8)

Q.No.9 Write a Program in Visual Basic that inputs a number from user and prints the table of number to be entered by user. (8)

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18-04-2019