

<b>Computer Science</b>	<b>Lahore Board 2015</b>	<b>Inter Part-II</b>
<b>Time: 20 Min.</b>	<b>Objective Type</b>	<b>Marks = 17</b>

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

**(MS-ACCESS)**

- 1.1** The manipulated and processed data is called :  
(A) Data (B) Information  
(C) Object (D) Instance
- 2.** Insert command is used to insert :  
(A) New table (B) New record  
(C) View (D) Dependencies
- 3.** Which of the following is used to associate entities with one another :  
(A) Entity (B) Attribute  
(C) Identifier (D) Relationship
- 4.** In 3NF, which form of dependency is removed :  
(A) Functional (B) Non-functional  
(C) Associative (D) Transitive
- 5.** A database consists of various components called :  
(A) Tools (B) Properties  
(C) Entities (D) Objects
- 6.** How many table views are available in Microsoft Access :  
(A) 4 (B) 3  
(C) 2 (D) 1
- 7.** A form within another form is called :  
(A) Sub-form (B) Main form  
(C) Multi-form (D) Inner form

**C-Language OR Visual Basic**

**(C-Language)**

- 8.** Variables are created in :  
(A) RAM (B) ROM  
(C) Hard disk (D) Cache
- 9.** Which of the following is not a valid identifier :  
(A) Return (B) My Int  
(C) My Integer (D) Total 3
- 10** Which of the following function is used to input data in C-programs:  
(A) Scanf (B) Printf  
(C) Get (D) Sqrt
- 11** An ampersand (&) before the name of a variable denotes :  
(A) Actual value (B) Variable name  
(C) Address (D) Data type
- 12** Another term for computer making a decision is :  
(A) Sequential (B) Selection  
(C) Repetition (D) Iteration
- 13** Relational operator allows us to \_\_\_\_\_ numbers :  
(A) Compare (B) Add  
(C) Multiply (D) Divide
- 14** One execution of a loop is known as a (n) :  
(A) Cycle (B) Duration  
(C) Iteration (D) Test
- 15** In which loop the condition comes after the body of the loop :  
(A) While loop (B) Do-while loop  
(C) For loop (D) Both B and C
- 16** Function prototype for built-in functions are specified in:  
(A) Source file (B) Header file  
(C) Object file (D) Image file
- 17** A file is stored in:  
(A) RAM (B) ROM  
(C) Hard disk (D) Cache

**OR**

**(Visual Basic)**

- 8.** How many possible solutions are there for a problem :  
(A) Multiple (B) One  
(C) Two (D) Three
- 9.** In Visual Basic, a form is another name for a (n) :  
(A) Window (B) Object  
(C) Property (D) Label
- 10** The naming prefix for a label control is :  
(A) lbl (B) tab  
(C) tbe (D) t
- 11** You can enter data in a control only when it has :  
(A) Tab order (B) Mask  
(C) Focus (D) Control
- 12** How many bytes are occupied by integer data type in Visual Basic :  
(A) 4 (B) 2  
(C) 6 (D) 8
- 13** The default message box style is :  
(A) Ok/Only (B) Yes/No  
(C) Yes/No/Cancel (D) Retry/Cancel
- 14** A statement block can consist of how many lines :  
(A) 0 (B) 2  
(C) Unlimited (D) At most 255
- 15** In Visual Basic, which keyword indicates the end of a decision structure:  
(A) NEXT (B) END IF  
(C) END (D) ELSE
- 16** The loop which never ends is called :  
(A) Running loop (B) Infinite loop  
(C) Continuous loop (D) Endless loop
- 17** The increment in a For ---- Next loop can be :  
(A) Positive only (B) Both A and C  
(C) Negative only (D) None of these

<b>Computer Science</b>	<b>Lahore Board 2015</b>	<b>Inter Part-II</b>
<b>Time: 3.10 hrs</b>	<b>Essay Type</b>	<b>Marks = 83</b>

### SECTION - I

#### (MS-ACCESS)

**2. Write short answers to any EIGHT (8) questions: 16**

- Differentiate between data and information.
- List different activities in data processing.
- Define database system.
- Define entity.
- Who is data administrator?
- Define an attribute. Give an example.
- Define the term redundancy.
- Write down two advantages of IDE.
- Define query.
- Describe text data type.
- Distinguish between primary key and foreign key.
- Write down two table views available in access.

#### C-Language

**3. Write short answers to any EIGHT (8) questions : 16**

- What is the use of 'include' pre-processor directive?
- What is the use of semicolon in C-language?
- Define run time error.
- What is the error in following statement: `int x - 0 ; y = 0;`
- Define variables.
- Write down two rules for naming variables.
- Define compound assignment operator.
- Correct the following statement:  
`printf (Hello World);`
- Write down output of the following code :  
`Printf ("C programming is \t easy");`
- Write down output of the following code :  
`int x = 10;`  
`printf ("%f", x);`
- Write down the syntax of `scanf ( )` function.
- Define field-width.

OR

#### (Visual Basic)

**3. Write short answers to any EIGHT (8) questions : 16**

- What is IDE?
- Define toolbox.
- Define the purpose of Name property of a VB control.
- Differentiate between design time and run time.
- Write down the names of four commonly used VB controls.
- What is implicit or default declaration in Visual Basic?
- What is meant by hiding a form?
- What are keywords?
- What is code window?
- What is flow chart?
- How are event procedures named?
- What are check box controls?

#### C-Language

**4. Write short answers to any SIX (6) questions : 12**

- What is conditional operator?
- Why break statement is used in a Switch ( ) structure?
- Trace the errors in the following code :  
`int word= 10;`  
`if (word! = 10)`  
`word = 0`  
`else;`  
`word + = 2`
- What is the output of the following code:  
`Int x, y;`  
`x = 5;`  
`y = x;`  
`if (x < y)`  
`printf ("Hello");`  
`else`  
`printf ("Pakistan")`
- Differentiate between While loop and Do While loop.
- Make a flowchart of For loop.
- Define built in function.
- Compare local variable with global variable.
- Define file pointer.

OR

#### (Visual Basic)

**4. Write short answers to any SIX (6) questions : 12**

- Write down the syntax of select — case structure.
- Which Cap option is used to test relational values?
- How many times do the following loop executes:  
`I = 10`  
`DO WHILE I > 1`  
`I = I - 1`  
`loop`
- What is Do While loop in VB?
- Draw a flowchart of For—Next loop.
- Define nested loop in VB.
- List advantages of an array.
- What do you mean by selection sort?
- State the purpose of Timer Control.

### SECTION-II

#### (MS-ACCESS)

Note: Attempt any ONE question.

**5. Explain different types of relationships with examples. 8**

**6. Explain different data types available in MS-Access. 8**

### SECTION — III

Note : Attempt any TWO descriptive answers (either from "C-Language" or from "Visual Basic") of the following questions.

#### (C-Language)

- What is language processor? Discuss its different types. 8
- Write a program that input marks from user and display 'pass'. If marks are greater of or equal to 40 otherwise 'fail'? 8
- What are loops? Discuss different loops provide by C. 8

OR

#### (Visual Basic)

- What is object oriented programming language? Explain briefly. 8
- Write a click event procedure to input marks and message box to display either 'pass' or 'fail'. If marks  $\geq 40$  or marks  $< 40$ ? 8
- What are loops? Discuss while-wend loop in detail. 8

### SECTION — IV (Practical Part)

Note: Attempt any THREE questions.

- Explain the procedure for creating table in MS-Access. 5
- Write a procedure for creating form in design view. 5
- Write a program in C language or Visual Basic that inputs a string and displays it on the screen. 5
- Write a program in C language or Visual Basic that inputs a number and displays whether it is even or odd by using logical operator, using function. 5
- Write a program in C language or Visual Basic that displays product of all odd numbers from 1 to 10 using FOR loop. 5