

SECTION - I

(MS-ACCESS)

2. Write short answers to any SIX (6) questions
- (i) Differentiate between data and information
 - (ii) What do you mean by redundancy?
 - (iii) List any two advantages of reports
 - (iv) State the use of wild cards
 - (v) Write down two responsibilities of database administrator

C-Language

3. Write short answers to any SIX (6) questions :

- (i) Define unstructured programming.
- (ii) Describe linker.
- (iii) Give two examples of standard identifiers.
- (iv) Find errors in the following code.

```
int a = 5;  
int double = 20;  
printf (" Result = %d", double)
```
- (v) How a file is closed?

OR

(Visual Basic)

3. Write short answers to any SIX (6) questions :

- (i) Define unstructured programming.
- (ii) Describe interpreter.
- (iii) What is meant by an assignment operator?
- (iv) Define properties window in VB.
- (v) Differentiate between source code and object code.

C-Language

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

- (i) Why format specifiers are important to be specified in I/O operation?
- (ii) Predict the output of the following code

```
int m, n, k;  
m = 15; n = 20;  
k = m + n;  
printf ("k = %d", k)
```
- (iii) What are the limitations of simple if statement?
- (iv) Convert "speed is not greater than 65" into a C-language expression.
- (v) Write down the uses of loop.
- (vi) What is the use of goto statement?
- (vii) Convert the code given below in do-while :

```
int m = 10;  
for ( m = 8; m >= 1; m - - )  
printf (" %d", m % 2);
```

OR

(Visual Basic)

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

- (i) What is meant by sequence structure in VB?
- (ii) Write down limitations of if-then structure.

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** How many table views are available in MS Access:
- (A) 1 (B) 2
(C) 3 (D) 4
- 2** In relational database, a table is also called:
- (A) Tuple (B) Relation
(C) (D)
- 3** CREATE command is used to create a:
- (A) Table (B) Form
(C) Report (D) Query
- 4** In ERD model, the relationship between two entities is represented by a:
- (A) Diamond symbol (B) Rectangular box
(C) Oval symbol (D) Line
- 5** Which of the following type of file require largest

processing time:

- (A) Sequential file (B) Random file
(C) Indexed sequential file (D) Direct access file
- 6** A database consists of various components called:
- (A) Tool (B) Properties
(C) Entities (D) Object

C-Language OR Visual Basic**(C-Language)**

- 7** Single line command starts with:
- (A) # (B) //
(C) * \ (D) /*
- 8** Function prototypes for built-in functions are specified in:
- (A) Source files (B) Object files
(C) Header files (D) Image files
- 9** Which of the following is the simplest form of a decision structure:
- (A) If statement (B) Switch
(C) If-else-if (D) Nested if
- 10** The set of statement in curly braces in a loop is known as ----- of the loop:
- (A) Title (B) Header
(C) Center (D) Body
- 11** Which of the following key is used to save a file:
- (A) F2 (B) F3
(C) F4 (D) F5
- 12** On successfully closing a file, the fclose () returns:
- (A) Null (B) 0 (zero)
(C) 1 (one) (D) file pointer
- 13** The logical not operator, denoted by !, is a:
- (A) Ternary operator (B) Unary operator
(C) Binary operator (D) Bitwise operator
- 14** $a + = b$ is equivalent to:
- (A) $b + a$ (B) $a = + b$
(C) $b = b + a$ (D) $a = a + b$
- 15** Turbo C++ can compile:
- (A) C++ programs only (B) C and C++ programs
(C) Turbo C programs only (D) Turbo C++ programs

Computer Science	Inter, Part II, 2022 Lahore Board	Paper – II
Time: 2 10 hrs.	Essay Type	Marks : 60

SECTION – I**(MS-ACCESS)****Q.2 Write short answers to any SIX (6) questions: 12**

- What is entity? Give an example.
- Write the responsibilities of data administrator.
- Explain implementation.
- List any four components of physical database design.
- Define referential integrity.
- How partial dependency differs from transitive dependency?
- Define any two layouts of form.
- What is check boxes and radio buttons?
- Describe any two bars of MS Access Application Window.

C-Language**Q.3 Write short answers to any SIX (6) questions: 12**

- Define statement terminator.
- Differentiate between source code and object code.
- Write the following statements as single statement.

```
int x = 5;
```

```
int y = 10;
```

```
int z = 15;
```

- Find the errors in the following code segment.
- ```
int x, y, sum,
z = x + y;
printf ("sum = %d", z);
```
- What are comments?
  - Write the syntax of print function.
  - Write two difference between constant and variable.
  - Trace the errors in the following code segment

```
void main ();
```

```
{
```

```
printf (OK)
```

```
}
```

- Predict the output of the following code segment.

```
int n, a, b;
```

```
n = 400;
```

```
a = n% 100;
```

```
b = n/ 10;
```

```
n = n% 10;
```

```
printf (" Result = %d %d %d", n,b,a);
```

OR

**Visual Basic)****Q.3 Write short answers to any SIX (6) questions: 12**

- Why would a programmer prefer to use high level language?
- Find the error in the syntax  
private Sub Object Name- Dblclick ( )  
Statements:  
endsub;  
end
- What is the purpose of language processor?
- Write the use of option explicit statement in VB.
- What is concatenation and when it would be used?
- How can the user continue a very long basic statement to another line?
- What is properties of Window?
- Write three steps for creating VB projects.
- Why Visual Basic is called even-driven language?

**C-Language****Q.4 Write short answers to any SIX (6) questions: 12**

- Define compound statement.
  - Define while loop.
  - Predict the output.
- ```
int a = 1 , b = 5 ;
if (a + b) < 6)
printf ("% d", b);
printf ("% d", a + b);
```
- Predict the output.
- ```
int a;
for (a = 1; a <= 10; a + +)
printf ("% d", a);
```
- Convert the given program in do-while loop.
- ```
int i;
for (i = 3; i < - 39; i + = 6)
printf ("%d\n", i);
```
- What is function?
 - Define local variable?
 - Differentiate between Built-in functions and user defined functions.
 - What is text stream?

OR

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

- Define selection structure.
 - What is Select — Case statement?
 - Write the syntax of IF—Then—Else statement.
 - Find the output of given code.
- ```
a = 6
b = 7
if (a > b) then print a
print b
print (a + b)
End
```
- What is post lest loop?
  - Re-write the given statement in while- wend..
- ```
for i = 1 to 10
print i
Next
```
- Enlist two types of sub-programs.
 - What is standard code module?
 - Differentiate between Exit Sub and Exit function.

SECTION-II**(MS ACCESS)****Note: Attempt any ONE question.****Q.5** What is File? Explain File types from storage point of view.**Q.6** How would you define a table? Also write characteristics of tables.**SECTION – III****Note: Attempt any TWO descriptive answers (either from "C-Language" or from "Visual Basic") of the following questions.****(C-Language)****Q.7** What is meant by programming language? Discuss different types of programming languages.**Q.8** Write a program that inputs three numbers and displays the maximum number by using if-else, if statement.**Q.9** What is for loop? Write down syntax and working of for loop with example.

OR

(Visual-Basic)**Q.7** What is meant by programming language? Discuss different types of programming languages.**Q.8** Write a program in VB that inputs three numbers and displays the maximum number by using nested if statement.**Q.9** What is for next loop? Write down syntax and working of for next loop with example.