

Roll No _____ (To be filled in by the candidate)

(Academic Sessions 2018 – 2020 to 2020-2022)

COMPUTER SCIENCE

222-(INTER PART – II)

Time Allowed : 20 Minutes

Q. PAPER – II (Objective Type)

PAPER CODE = 8831

Maximum Marks : 15

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)

LHR-22

1-1	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
2	CREATE command is used to create a : (A) Table (B) Form (C) Report (D) Query
3	In ERD model, the relationship between two entities is represented by a : (A) Diamond symbol (B) Rectangular box (C) Oval symbol (D) Line
4	In relational database, a table is also called : (A) Tuple (B) Relation (C) File (D) Cell
5	A database consists of various components called : (A) Tool (B) Properties (C) Entities (D) Object
6	How many table views are available in MS Access : (A) 1 (B) 2 (C) 3 (D) 4

C-Language OR Visual Basic

(C-Language)

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

OR

(Turn Over)

(2)

(Visual Basic)

UWID-22

1. 7	The step-by-step procedure to solve a problem is called : (A) Programming language (B) Algorithm (C) Flowchart (D) Program
8	The rectangle symbol in a flowchart indicates : (A) Condition (B) Process (C) Input (D) Output
9	Visual Basic is a product of : (A) IBM (B) Microsoft (C) Sun System (D) Hewlett
10	In Visual Basic, a form is another name for a (n) : (A) Object (B) Window (C) Property (D) Label
11	Methods characterize an object's : (A) Appearance (B) Value (C) Style (D) Behaviour
12	BackColor, enabled and forecolor are examples of : (A) Properties (B) Objects (C) Methods (D) Parameters
13	Which data type is used to handle a Yes or No response : (A) Short (B) Integer (C) Boolean (D) Date
14	In Visual Basic, which keyword indicates the starting point of a decision structure : (A) Then (B) Start (C) Else (D) If
15	The keyword that marks the end of a Do Structure is : (A) End do (B) Loop (C) Exit loop (D) Exit do

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SECTION – I

(MS-ACCESS)

2. Write short answers to any SIX (6) questions : *LHR-22* 12

- (i) What is entity? Give an example.
- (ii) Write the responsibilities of data administrator.
- (iii) Explain implementation
- (iv) List any four components of physical database design.
- (v) Define referential integrity.
- (vi) How partial dependency is differ from transitive dependency?
- (vii) Define any two layouts of form.
- (viii) What is check boxes and radio buttons?
- (ix) Describe any two bars of MS Access Application Window.

C-Language

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

- (i) Define statement terminator.
- (ii) Differentiate between source code and object code.
- (iii) Write the following statements as single statement.

```
int x = 5;  
int y = 10;  
int z = 15;
```
- (iv) Find the errors in the following code segment.

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

```
void main ( )  
{  
printf (OK)  
}
```
- (ix) 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)

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

- (i) Why would a programmer prefer to use high level language?
- (ii) Find the error in the syntax

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

C-Language

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

- (i) Define compound statement.
- (ii) Define while loop.
- (iii) Predict the output.

```
int a = 1 , b = 5 ;  
if ( ( a + b ) < 6 )  
printf ( " % d " , b );  
printf ( " % d " , a + b );
```
- (iv) Predict the output.

```
int a;  
for ( a = 1 ; a <= 10 ; a ++ )  
printf ( " % d " , a );
```

(Turn Over)

(2)

4. (v) Convert the given program in do-while loop. *WR-22*
- ```
int i;
for (i = 3; i <= 39; i += 6);
printf (“ % d \ n ”, i);
```
- (vi) What is function?  
(vii) Define local variable.  
(viii) Differentiate between Built-in functions and user define functions.  
(ix) What is text stream?

OR

**(Visual Basic)**

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

12

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

**SECTION – II**

**(MS ACCESS)**

Note : Attempt any ONE question.

5. What is File? Explain File types from storage point of view. 8  
6. How would you define a table? Also write characteristics of tables. 8

**SECTION – III**

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

**( C – Language )**

7. What is meant by programming language? Discuss different types of programming languages. 8  
8. Write a program that inputs three numbers and displays the maximum number by using if-else, if statement. 8  
9. What is for loop? Write down syntax and working of for loop with example. 8

OR

**( Visual Basic )**

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