(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

(Visual Basic)

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	

COMPUTER SCIENCE   222-(INTER PART – II)   Time Allowed : 2.10 hours
PAPER – II (Essay Type)   Maximum Marks : 60

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)

4. (v) Convert the given program in do-while loop. *LHR-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

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