

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

(Academic Sessions 2019 – 2021 to 2021-2023)

COMPUTER SCIENCE 223-1st Annual-(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-12-23

1-1	A collection of raw facts and figures is called : (A) Knowledge (B) Information (C) Processing (D) Data
2	Which of the following is not a type of database key : (A) Primary key (B) Public key (C) Secondary key (D) Foreign key
3	Customers, cars and parts are example of : (A) Entities (B) Attributes (C) Cardinals (D) Relationship
4	Different attributes in two different tables having same name are called : (A) Synonym (B) Homonym (C) Acronym (D) Mutually exclusive
5	The number of records in a relation is called the --- of the relation : (A) Cardinality (B) Degree (C) Domain (D) Range
6	All of the following are form layout except : (A) Tabular (B) Columnar (C) Justified (D) Relationship

C-Language OR Visual Basic

(C-Language)

7	The extension of C source program is : (A) .h (B) .obj (C) .c (D) .exe
8	Void occupy how many bytes in memory : (A) Zero (B) One (C) Two (D) Four
9	All keywords in C are written in : (A) Upper case (B) Title case (C) Lower case (D) Camel case
10	The number of bytes used by float data type in C is : (A) Zero (B) 1 (C) 2 (D) 4
11	Variables are created in : (A) RAM (B) ROM (C) Hard disk (D) Cache
12	The functions used for input and output are stored in : (A) stdio.h (B) conio.h (C) math.h (D) inout.h
13	A compound statement refers to a group of statements enclosed in : (A) () (B) [] (C) < > (D) { }
14	How many types of loop structures are available in C : (A) 1 (B) 2 (C) 3 (D) 4
15	Another name for built-in function is : (A) User-defined (B) Library (C) Custom-made (D) Customized

OR

(Turn Over)

(2)

ual Basic)

LHR-12-23

7	Variable names can not begin with a (n) : (A) Upper case letter (B) Lower case letter (C) Number (D) Underscore
8	How many bytes are occupied by integer data type in VB : (A) 4 (B) 8 (C) 12 (D) 16
9	The expression $100 \bmod 33$ has a value equal to : (A) -1 (B) 0 (C) 1 (D) 2
10	Which programming structure executes program statements in order : (A) Repetition (B) Decision (C) Iterative (D) Sequence
11	In VB, which statement indicates the end of decision structure : (A) END IF (B) END (C) ELSE (D) NEXT
12	All of the following are relational operators except : (A) & (B) <> (C) = (D) >=
13	A loop within loop is called : (A) Outer loop (B) Complex loop (C) Simple loop (D) Nested loop
14	One execution of a loop is known as : (A) Structure (B) Test (C) Iteration (D) Duration
15	If number of iterations are known in advance, the suitable programming structure is : (A) Do loop until (B) For---Next (C) While wend (D) Do until loop

189-223-(Objective Type)- 9000 (8831)

SECTION – I

(MS-ACCESS)

LHR-12-23

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

12

- (i) Differentiate between data and information.
- (ii) Define the term table or relation.
- (iii) What do you mean by redundancy?
- (iv) Define referential integrity.
- (v) List any two advantages of reports.
- (vi) Define sorting.
- (vii) State the use of wild cards.
- (viii) How is combo box used?
- (ix) Write down two responsibilities of database administrator.

C-Language

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

12

- (i) Define unstructured programming.
- (ii) What is constant macro?
- (iii) Describe linker.
- (iv) What are syntax errors?
- (v) Give two examples of standard identifiers.
- (vi) Rewrite the expression `a ++` without using increment operator `++`.
- (vii) Find errors in the following code.

```
int a = 5;
int double = 20;
printf( " Result = % d", double )
```
- (viii) Determine the output of the following code segments.

```
int x = 7;
int y = 3;
printf ( " %d and %d ", x / y, x % y );
```
- (ix) How a file is closed?

OR

(Visual Basic)

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

12

- (i) Define unstructured programming.
- (ii) What is flowchart?
- (iii) Describe interpreter.
- (iv) What are syntax errors?
- (v) What is meant by an assignment operator?
- (vi) List down any two rules for naming variables.
- (vii) Define properties window in VB.
- (viii) Write the syntax of input box in VB.
- (ix) Differentiate between source code and object code.

C-Language

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

12

- (i) Why format specifiers are important to be specified in I / O operation?
- (ii) What is the use of `getch ()` function?
- (iii) Predict the output of the following code :

```
int m, n, k;
m = 15; n = 20;
k = m + n;
printf ( " k = % d ", -- k );
```
- (iv) Determine the output of the following code:

```
int x = 10;
( x % 2 == 0 ? printf ( " Even" ) : printf ( " odd" ) );
```
- (v) What are the limitations of simple if statement?
- (vi) Convert " speed is not greater than 65" into a C-language expression.
- (vii) Write down the uses of loop.
- (viii) What is the use of goto statement?
- (ix) 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 :

12

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

(Turn Over)

(2)

LHR-12-23

4. (iii) Define loop. Write two uses of loop.
- (iv) What is the use of NOT operator?
- (v) When should Do --- Until loop be used?
- (vi) Define array, element and subscript.
- (vii) How would you narrate array manipulation?
- (viii) How does an option button differ from check box?
- (ix) What is the purpose of the statement "Unload Me"?

SECTION - II

(MS ACCESS)

Note : Attempt any ONE question.

5. What is file processing system? Discuss any three problems in traditional file processing approach. 8
6. What is database design? Briefly explain the database design process with the help of diagram. 8

SECTION - III

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

(C - Language)

7. Explain multiple " if-else " statement with example. Write down its syntax. Also draw its flow chart. 8
8. Write a program that prints the following series using loop : 8
19 16 13 10 7 4 1
9. Write a note on the following : 8
(a) Local variable scope and life time. (b) Passing parameters to function in C.

OR

(Visual Basic)

7. Explain extended if--then--else structure with example? Write down its syntax. Also draw its flow chart. 8
8. Write a program that prints the following series using loop : 8
19 16 13 10 7 4 1
9. Write a note on the following : 8
(a) Local variable scope and life time. (b) Passing parameter to functions in VB.

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