PAPER CODE - 8831

COMPUTER SCIENCE (NEW COURSE)   12th CLASS – 12019   TIME: 20 MINUTES

ACADEMIC SESSION : 2015-2017 TO 2017-2019   MARKS: 15

OBJECTIVE

NOTE: You have four choices for each objective type question as A , B , C and D . The choice which you think is correct , fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

QUESTION NO. 1

MS-ACCESS

Data that causes inconsistency lacks in
(A) Good data   (B) Data redundancy   (C) Data integrity   (D) Data anomaly

The columns of a table correspond to ;
(A) Table   (B) Field   (C) Record   (D) Cell

In an E.R diagram , a rectangle represents
(A) Entity   (B) Attribute   (C) Relationship   (D) Decision

In 3NF , a non-key attribute must not depends on a
(A) Non-key attribute   (B) Key attribute   (C) Composite key   (D) Primary key

Microsoft Access saves the database with the extension
(A) .mdb   (B) .msdb   (C) .madb   (D) .mxls

In MS Access, find and replace command is found in
(A) File menu   (B) Edit menu   (C) Tool   (D) View menu

C-LANGUAGE	OR	VISUAL BASIC

C-LANGUAGE

The programmer usually enters source code into a computer using
(A) Compiler   (B) Text editor
(C) Debugger   (D) Linker

In C-language, variable name(s) cannot begin with a (an)
(A) Number   (B) Lower - case letter
(C) Upper-case letter   (D) Underscore

The general form of format specifier for floating point value is;
(A) % m.nf   (B) m.n %
(C) m % nf   (D) m.n%f

0   Which programming structure makes a comparison
(A) Relation   (B) Repetition
(C) Decision   (D) Sequence

1   Graphical representation of a program is called
(A) Logical chart   (B) Binary chart
(C) Flow - chart   (D) E- R chart

12   Semicolon is placed at the end of condition in
(A) do-while loop   (B) for loop
(C) Hybrid loop   (D) while loop

13   This is a control structure that causes a statement or group of statements to repeat
(A) Decision statement   (B) Sequential
(C) Loop   (D) Logical

14   The statement that activates a function is known as
(A) Function design   (B) Function definition
(C) Function declaration   (D) Function call

15   In the statement FILE *fp , the * represents
(A) Multiplication   (B) Pointer
(C) Argument   (D) Sentinel

VISUAL BASIC

7   Labels ,buttons and text boxes are examples of
(A) Procedure   (B) Controls
(C) Properties   (D) Methods

8   The option that forces the declaration of all variables is
(A) Dim   (B) Option static
(C) Option explicit   (D) Option strict

9   What is the default color of the comments is code window?
(A) Green   (B) Red
(C) Blue   (D) Black

10   The entire select case construct is terminated with.
(A) Case Else   (B) End if
(C) End select   (D) Terminate select

11   In a case structure, which is executed if two or more cases are true
(A) All matching cases found
(B) The last matching case found
(C) The first matching case found
(D) An error is generated

12   How many times the following loop will be executed?   Do Loop
                Statements
            Until x > 100
(A) As long as x < =100   (B) x < 100 times
(C) 100 times   (D) 101 times

13   Which keyword is used to increment or decrement a counter by a value that you specify ?
(A) Interval   (B) Skip
(C) Step   (D) Next

14   If the elements in two arrays are related by their subscripts, the arrays are called
(A) Dynamic   (B) Associated
(C) Static   (D) Parallel

15   The property used to get the number of items stored in a ListBox is
(A) items   (B) Items.count
(C) Number   (D) count

12th CLASS – 12019

COMPUTER SCIENCE (NEW COURSE)
ACADEMIC SESSION : 2015-2017 TO 2017-2019

TIME : 2.10 HOURS
MARKS : 60

SUBJECTIVE
SECTION-I

MS ACCESS

QUESTION NO. 2 Write short answers to any Six (6) of the following questions   6 x 2 = 12

(1) Define data inconsistency.
(2) What is the use of data dictionary ?
(3) How a relation is formed in data Base ?
(4) Why is requirement analysis conducted ?
(5) What do you mean by data Integrity ?
(6) Define referencial Integrity.
(7) Write any four advantages of IDE.
(8) Define the term degree of relation.
(9) Why is a list box used in form ?

QUESTION NO. 3   Write short answers to any Six (6) of the following questions   6 x 2 = 12

C-Language	OR Visual Basic
(1) What is machine language?	(1) What is machine language?
(2) Define the term loading.	(2) Define the term loading.
(3) What is expression?	(3) What is expression?
(4) Write a single C-statement to initialize two integer variables x and y to 0	(4) Write a single V B statement to initialize two integer variables x and y to 0

(5) Determine the out put
    int x = 1;
    print f ("%d" , x++);
	(5) Determine the output.
	    Dim x = 1 as Integer
	    Msg Box (x + 10)

(6) Find the errors.
    float , a = = 10.02
	(6) Find the errors
	    Dm a =10.02 as Integer

(7) Define standard input.	(7) Define standard input.
(8) Write the code to input character value in variable " a "	(8) Write the code to input character value in variable " a "

(9) Determine the output
    print f ("* \n ** \n *** \n");
	(9) Determine the output
	    Msg Box (" * " & VbNewLine & " ** ")

P.T.O.

QUESTION NO. 4   Write short answers to any Six (6) of the following questions   6 x 2 = 12

C-Language	OR Visual Basic
(1) How does a selection structure select a statement to execute?.	(1) Which statement terminates Do and For loops early?
(2) Convert the following conditional expression into if-else statement: x < 0 ? y = 31 : z = 21 ;	(2) Write down the syntax of Do ...Loop... Until.
(3) Determine the output of following code segment int P = 19 ; if (P.1 = 10) printf (" Price") ;	(3) How many times does the following loop execute? N = 10 Do While N >= 10 N = N – 1 Loop
(4) Distinguish between break and continue statements used in loops.	(4) Define Upper Bound in an array
(5) Convert the following code into while loop : for (int x = 1 ; x <=10 ; x++) printf (" loop") ;	(5) List down any two uses of array
(6) Draw the flow chart of do...while loop .	(6) Why are combo Box controls used ?
(7) Enlist two types of functions in C.	(7) What is the purpose of Text property of a button?
(8) What is a function call?	(8) Define context menu. How is it created ?
(9) How is the end of text file indicated ?	(9) How are parameters passed by reference ?.

SECTION-II   (MS – ACCESS)

Note: Attempt any one question   (1 x 8) = 8

Q.5.   Explain any four advantages of DBMS.

Q.6.   What is filter? Discuss different types of filters in MS-Access? (MS-Access)

SECTION-III

Note: Attempt any two questions.   (2 x 8) = 16

C-Language	OR Visual Basic
Q.7. Explain printf function with suitable examples.	Q.7. Explain the working of While-wend loop with example
Q.8. What is "switch" statement. Explain its working with flowchart and example?.	Q.8. What is "select-case" structure. Explain its working with flow chart and example.
Q.9. Write a program in C-language to print the sum of following series. 0 3 6 9 12 15	Q.9. Write a program in Visual Basic to print the sum of following series. 0 3 6 9 12 15

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