DGK-12-18

PAPER CODE - 8831
(12th CLASS - 12018)

COMPUTER SCIENCE (NEW COURSE)
ACADEMIC SESSION : 2015-2017 TO 2016-2018   **OBJECTIVE**

TIME: 20 MINUTES
MARKS: 15

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
1	Duplicate data in multiple data files is called
	(A) Data Integrity (B) Data Consistency (C) Program dependency (D) Data redundancy
2	The data or information that describes an entity is called
	(A) Attribute (B) Record (C) Tuple (D) Data Item
3	Which of the following is a one-to-many relations
	(A) Student – Reg No. (B) Mother – daughter (C) Person – Date of Birth (D) Country – Capital
4	Which form of dependency is removed in 3 NF (Third Normal Form)
	(A) Functional (B) Transitive (C) Partial (D) Associative
5	In 3 NF (Third Normal Form) , a non-key attribute must not depend on a
	(A) Non-key attributes (B) Key attributes (C) Composite key (D) Sort key
6	Each separate piece of Information stored in a record is called
	(A) Form (B) Field (C) Table (D) Relation

C-LANGUAGE

7	stdio stands for
	(A) Standard Input output (B) Simple input output (C) String Input output (D) Start Input output

OR   VISUAL BASIC

The prefix for naming a menu item is   (A) mnu   (B) mmu   (C) mne   (D) men

C-LANGUAGE

8	Which is numeric data type with decimal point (A) float (B) int (C) Char (D) long

OR   VISUAL BASIC

How many bytes are occupied by decimal data type in Visual Basic ?   (A) 16   (B) 12   (C) 1   (D) 8

C-LANGUAGE

9	Format specifier is started with symbol (A) ? (B) & (C) % (D) *

OR   VISUAL BASIC

Which of the following is valid data type in Visual Basic   (A) Array   (B) Char   (C) Boolean   (D) int

C-LANGUAGE

10	Which operator in C is called a ternary operator (A) if (B) ++ (C) ? (D) ( )

OR   VISUAL BASIC

To display a message .... is used
(A) msg boxes ( )   (B) message box ( )   (C) msg box ( )   (D) Input box ( )

C-LANGUAGE

11	Relational operators allow you to .... numbers (A) Add (B) Multiply (C) Compare (D) Divide

OR   VISUAL BASIC

A form that contains a subform is called   (A) Form   (B) Major Form   (C) Main Form   (D) Query

C-LANGUAGE

12	A loop within a loop is called (A) Complex loop (B) Nested loop (C) Infinite loop (D) Running loop

OR   VISUAL BASIC

A loop that never ends is called   (A) Complex loop   (B) Infinite loop   (C) Running loop   (D) Finite loop

C-LANGUAGE

13	Globel variables are created in (A) RAM (B) ROM (C) Hard Disk (D) Cache

OR   VISUAL BASIC

A control that is used to display text or to accept user input is
(A) text Box   (B) Label   (C) Buton   (D) Image box

C-LANGUAGE

14	A function can return .... value (A) 1 (B) 2 (C) 3 (D) 4

OR   VISUAL BASIC

Which control combines the characteristics of text box and list box
(A) Combo Box   (B) Scroll bar   (C) Timer   (D) Menu box

C-LANGUAGE

15	In if statement , false is represented by (A) 0 (B) 1 (C) 2 (D) 3

OR   VISUAL BASIC

Which method is used to add items in a List box
(A) Add item   (B) Index item   (C) Remove item   (D) Insert item

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COMPUTER SCIENCE (NEW COURSE)
ACADEMIC SESSION : 2015 – 2017 TO 2016-2018

(12ᵗʰ CLASS - 12018)
SUBJECTIVE
SECTION-I
MS ACCESS

TIME : 2.10 HOURS
MARKS : 60

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

(1) What is the use of data dictionary ?   (2) Differentiate between database and database Management System
(3) Write any two responsibilities of a database administrator   (4) State the purpose of feasibility study
(5) Define Synonym   (6) What are the database anomalies?
(7) Write any two advantages of forms   (8) How does an input mask help the user to enter data?
(9) Why a list box is used in forms?

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

C-Language

(1) What is main function used in C program ?   (2) What are run-time errors ?
(3) Define source code   (4) Define variable initialization with syntax
(5) Differentiate between unary and binary operator
(6) What is the output of following code ?
```
int   n = 3 , m = 5 ;
printf ( " % d \n % d \t % d " , n/m , m/n , n % m) ;
```
(7) List three names of functions used for character input.
(8) What is the output of following code ?
```
Char   Ch1 = 'A' ;
Ch1 + = 2 ;
Printf( " % C " , Ch1) ;
```
(9) Find Errors in the following code
```
Void main ( )
}
    float n1 = 3.5 , n2 = 4.1 ;
     printf( " % d \ t % d " , n1 , n2) ;
{
```

OR   Visual Basic

(1) What is compiler ?   (2) What is code window ?
(3) Why we use three-letter prefix with the name of control ?   (4) What is an assignment operator ?
(5) Predict the output of following code
```
Dim  n , m   As integer
Dim  x , y   As integer
n = 3
m = 5
x = n  mod  m
y = m  mod  n
Print x mod y
```
(6) Define select-case statement   (7) What is condition?
(8) Which statement terminate Do and For loop early?   (9) What is nested loop ?

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

C-Language

(1) Write two advantages of switch statement in C language
(2) Write the error from following code :
```
Void main ( ) ;
{   int  x = 10 ;
    if (x = = 10)
    x + +
    else
    x - - ;
}
```
(3) Write the output of the following code
```
int   x , y , z = 1 ;
x = y = 3 ;
if (x = = y) || (y < z)
printf ( " Yes " ) ;
else
printf ( " NO " ) ;
```
(4) Define infinite loop
(5) Write the output of the following code
```
int   m = 5 ;
while (m < 10)
{
    printf ( " % d \n " , m ) ;
    m = m + 2 ;
}
```
(6) Convert the following code into while loop
```
int   n = 5 , f = 1 ;
for ( i = 1 ; i < = n ; i + +)
    f = f * i ;
```
(7) What is function call?
(8) Describe built-in function
(9) How is a file opened in C?

OR   Visual Basic

(1) Define algorithm

(2) Write error from following code

```
Dim  M  As string
If     M = 0
Msg Box  " Zero "
Else
Msg Box  " Not Zero "
```

(3) Write output of following code

```
Dim  N  As Integer
FOR  N = 1 to 10  step 3
Pint  N
Next
```

(4) State the purpose of message box

(5) Write the output of following

```
Dim  M  as Integer
M = 5
M = M * 10
Print M
```

(6) Convert the following code into while loop

```
Dim  i , n , f  As Integer
n = 5
f = 1
FOR  i = 1 to n
f = f * i
Next
```

(7) Define implicit declaration

(8) Differentiate between For …… Next loop and While …… wend loop

(9) Describe breakpoint in VB.

SECTION-II   (MS – ACCESS)

Note: Attempt any one question

5.   Write down the properties of a relation in detail   2+2+2+2
6.   Define report. Discuss its different types   2+3+3

SECTION-III

Note: Attempt any two questions.

C-Language
7.   What is debugging ? How many types of errors may occur in writing program , explain in detail   2+2+2+2
OR   Visual Basic
What is debugging ? Briefly explain the types of errors may occur in a code   2+2+2+2

C-Language
8.   Write a program that inputs a number and finds whether it is even or odd   8
OR   Visual Basic
Write a program that inputs a number and finds whether it is even or odd   8

C-Language
9.   Define do-while loop. Explain its working with the help of Example and Flowchart   2+2+2+2
OR   Visual Basic
Define do-while loop. Explain its working with the help of Example and Flowchart   2+2+2+2