

Roll No CHR-12-18 (To be filled in by the candidate)

(Academic Sessions 2015 – 2017 and 2016-2018)

COMPUTER SCIENCE

218-(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)**

1-1	Which file is used to store information that remains constant for a long time : (A) Data file (B) Master file (C) Transaction file (D) Backup file
2	An attribute is also known as : (A) Record (B) Row (C) Field (D) Relation
3	Which of the following is used to associate entities with one another : (A) Entity (B) Attribute (C) Relation (D) Relationship
4	In 2NF, which form of dependency is removed : (A) Partial (B) Non-functional (C) Associative (D) Transitive
5	The output of a query is in the form of a : (A) Form (B) Query (C) Table (D) Macro
6	To find all names start with M from student table, the criteria is : (A) Like "M?" (B) Like "M - " (C) Like "M#" (D) Like "M* "

**C-Language OR Visual Basic**

**(C-Language)**

7	The target code produced by the compiler is : (A) Object code (B) Source code (C) Library code (D) Linked code
8	Which of the following is a valid character constant : (A) a (B) '@' (C) "c" (D) =
9	The format specifier %f is used for : (A) int (B) long (C) double (D) float
10	If $x = 2$ and $y = 3$ , what will be the output of the expression : $x > y ? x + y : x * y$ ; (A) 6 (B) 5 (C) 12 (D) 10
11	Conditional operator is an alternative of : (A) if (B) if-else (C) switch (D) for
12	In which loop, statement terminator is a part of its syntax : (A) for (B) while (C) do-while (D) for-each
13	What is the final value of i after executing the code : for (int i = 1 ; i < 5 ; i += 2 ) (A) 7 (B) 5 (C) 6 (D) 9
14	What is the variable that is used by function to receive an argument : (A) Expression (B) Parameter (C) Constant (D) Function
15	Which of the following function is used to write a character to a file : (A) getc ( ) (B) fputs ( ) (C) putc ( ) (D) fgets ( )

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**( Visual Basic )**

1. 7	The output of the compiler is called : (A) Object code      (B) Source code      (C) Linked code      (D) Program
8	A project file is saved with the following extension : (A) .frm      (B) .vbproj      (C) .vb      (D) .frx
9	You can enter data in a control only when it has : (A) Tab order      (B) Control      (C) Mask      (D) Focus
10	What is the value of variable R after the following code has been executed : Dim R As Integer R = 14 - 4 * 8 + 12/6 (A) -16      (B) 14      (C) -12      (D) 8
11	In Visual Basic, which statement indicates the end of a decision structure : (A) END      (B) END IF      (C) NEXT      (D) ELSE
12	For A = 4 and B = 4 , which of the following evaluates to true : (A) A <> B      (B) A < B      (C) A >= B      (D) A > B
13	What is the value of i after the execution of following code : For i = 2 to 12 step 3 Statement in loop Next (A) 14      (B) 13      (C) 12      (D) 11
14	A loop within a loop is called : (A) Next loop      (B) Nested loop      (C) Outer loop      (D) Inner loop
15	The interval property of timer control is set in : (A) Hours      (B) Minutes      (C) Milliseconds      (D) Seconds



SECTION – I

(MS-ACCESS)

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

- (i) Define data redundancy.
- (ii) Differentiate between master file and transaction file.
- (iii) Describe foreign key.
- (iv) Define synonym.
- (v) What are the database anomalies?
- (vi) List two advantages of report.
- (vii) Define sorting.
- (viii) State the purpose of subform.
- (ix) Identify name of entity and primary key in the following :  
STUDENT ( Student ID, St name , Group )

C-Language

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

- (i) What is the use of main ( ) function in C?
- (ii) Distinguish between source code and object code.
- (iii) Define header files.
- (iv) What is the use of assignment statement?
- (v) Differentiate between unary and binary operator.
- (vi) Compare “ getch ( ) ” and “ getche ( ) ” function.
- (vii) Trace output of the following code :  
int x = 0 , y = 5 , z = 4;  
x = y + z \* 5;  
printf ( “ Result = % d ” , x );
- (viii) Find errors in following code :  
void main ( ) ;  
{  
print ( “ Pakistan ” );  
}
- (ix) Trace output of following code :  
int a = 5 , b = 10;  
int c = a + b \* 2;  
printf ( “ The output is % d ” , c );

OR

(Visual Basic )

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

- (i) Define source code.
- (ii) List any two disadvantages of machine language.
- (iii) List any two properties of form object.
- (iv) Differentiate between text box & label control.
- (v) Differ between constant and variable.
- (vi) What is the purpose of language processor?
- (vii) Find output of the following code :  
DIM res As Integer  
res = ( 20 + 10 ) / 3  
print res
- (viii) Trace errors in following code :  
DIM x Integer  
x = 10 + 5  
print “ x ”
- (ix) Find output of the following code :  
DIM z As Integer  
z = 50  
print z MOD 6

C-Language

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

- (i) Write the syntax of if-else statement.
- (ii) State the use of goto statement.
- (iii) Determine the output of the following code :  
if ( 1 != 2 )  
printf ( “ OK ” );  
else  
printf ( “ Correct it ” );
- (iv) Trace the errors in the following code :  
if ( 7 != 10 )  
printf ( “ Hello ” )  
else  
print ( “ Welcome ” );

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(2)

4. (v) Write the output of the following code :  
`int i , j = 3;  
for ( i = 1 ; i <= 5 ; i ++ )  
printf ( “ \n % d % d ” , i , j );`
- (vi) Convert the following code in do-while loop :  
`for ( i = 1 ; i <= 5 ; i ++ )  
printf ( “ \n % d ” , i );`
- (vii) Define local variable.  
(viii) Define function header.  
(ix) What is text file?

OR

**(Visual Basic)**

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

12

- (i) Differentiate between List and List Index property.  
(ii) Describe three styles of Combo boxes.  
(iii) What does MDI mean?  
(iv) How Tool Tip is used in VB?  
(v) Define standard code module.  
(vi) Define function argument.  
(vii) Write output of following code :  
`AList = UCase ( “ AbCdEfG ” )`  
(viii) Which error is difficult to find and why?  
(ix) Define project file.

**SECTION – II**

**(MS ACCESS)**

Note : Attempt any ONE question.

5. What is data distribution? Explain three data distribution strategies. 2,2,2,2  
6. Explain eight different data types available in MS Access. 1,1,1,1,1,1,1,1

**SECTION – III**

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

**( C – Language )**

7. What do you know about identifiers? Explain two types of identifiers. 8  
8. Write a program in C, which input year and print either it is leap year or not. 8  
9. Define while loop in C, write its syntax and explain its working. 2,2,4

OR

**( Visual Basic )**

7. Define errors. Explain types of programming errors. 2,2,2,2  
8. Write a program in VB, which input year and print either it is leap year or not. 8  
9. Define while loop in Visual Basic, write its syntax and explain its working. 2,2,4

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