Objective
Paper Code
8831

Roll No. : _____

Computer Science (Objective)

Time: 20 Minutes   Marks: 15

Q.No.1 You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.coa

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(MS-Access)

.#	Questions	A	B	C	D
1	Arithmetic manipulation of data is known as:	Summarizing	Classifying	Calculation	Sorting
2	In admission table, student Rollno is used as a:	Sort key	Foreign key	Primary key	Secondary key
3	The relationship between teacher and student is:	One to one	One to many	Many to one	Many to many
4	In 3NF, a non-key attribute must not depend on a:	Non-key attribute	Key attribute	Composite key	Sort key
5	Microsoft Access saves the database with the extension:	.mdb	.msdb	.madb	.sdbm
6	How many table views are available in MS-Access?	1	2	3	4

(C – Language OR Visual Basic)

(C – Language)

		[ ]	( )	< >	« »
7	The name of header file is written between:	[ ]	( )	< >	« »
8	The lowest level of programming language is:	Java	Assembly	Pascal	C ++
9	The expression 14 % 3 has a value equal to:	2	4	4.66	11
10	M + = N is equivalent to:	N + = M	M = + N	N = N + M	M = M + N
11	Format specifier is started with the symbol:	?	%	\	*
12	Another term for a conditional operator is:	Ternary	Binary	Byte	Unary
13	One execution of a loop is known as:	Cycle	Duration	Test	Iteration
14	The scope of a variable refers to its:	Length	Name	Accessibility	Data type
15	On successfully closing a file, the fclose() returns:	Null	0 (zero)	File pointer	1 (one)

OR   (Visual Basic)

7	Visual Basic is a product of:	IBM	Sun System	Microsoft	Hewlett
8	The lowest level of programming language is:	Java	Assembly	Pascal	C ++
9	The expression 14 MOD 3 has a value equal to:	2	4	4.66	11
10	Methods characterize an object's :	Appearance	Value	Style	Behaviour
11	Back colour, enabled and fore colour are examples of:	Objects	Properties	Parameters	Methods
12	Which programming structure makes a comparison?	Decision	Option	Sequence	Repetition
13	The keyword that marks the end of a Do structure is:	End While	End Do	Exit Do	Loop
14	Which one is a valid VB data type?	Int	Array	Boolean	Char
15	You can enter data in a control only when it has:	Mask	Focus	Tab order	Control

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SECTION – I

2. Write short answers to any SIX parts.   12

(MS – Access)

(i) Define view.
(ii) Write two responsibilities of a database administrator.
(iii) Define an attribute. Give example.
(iv) List four data distribution strategy.
(v) What is entity integrity?
(vi) What is Homonym?
(vii) Differentiate between menu bar and toolbar.
(viii) What is columnar form?
(ix) Define to create a report using the Report Wizard.

3. Write short answers to any SIX parts.   12

(C – Language)

(i) Define unstructured programming languages.
(ii) Write the use of include directive. Also give example.
(iii) List symbol of arithmetic operators.
(iv) Write a code to increase the value of variable max by 5.
(v) Write the output of the following code:

```
# include < stdio.h >
main () {
    int a = 45, b = 65 ;
    printf ( " %d + %d = \t\t " , a, b) ;
    printf ( " %d " , a + b) ;
}
```

(vi) Rewrite the following code after removing errors:

```
@ include < stdio.h >
void main (void) [
    int m ;
    m = 5 ;
]
```

(vii) Find and remove the errors in the following code:

```
int a = = 405
a = a * 2 ;
printf ( " %d " a) ;
```

(viii) Why C-Language is called strongly typed language?
(ix) Differentiate between format specifiers and field-width specifiers.

OR   (Visual Basic)

(i) Define unstructured programming language.
(ii) Differentiate between properties and methods.
(iii) Write any two keyboard events.
(iv) Write a code in VB to decrease the value of variable min by 5.
(v) Write the output of the following code:

```
a = 5
b = 7
MsgBox a & b
```

(vi) Find and remove errors from the following code:

```
Private sub Form_load()
    m = = 5
End Form
```

(vii) Briefly describe textbox control.
(viii) Enlist any four arithmetic operators.
(ix) What do you know about comments in VB?

4. Write short answers to any SIX parts.   12

(C – Language)

(i) What is control structure?
(ii) Define goto statement.
(iii) Convert the following code into While loop:

```
int i ;
for ( i = 1 ; i <= 10 ; i ++)
{
    printf ( "\n Pakistan" ) ;
}
```

(iv) Predict the output of the following code segment:

```
int x = 0 ;
{
    for ( x = 1 ; x <= 15 ; x ++)
    printf ( "%d\n" , x * x) ;
    x ++ ;
}
```

(v) Predict the output of the following code segment:

```
int k = 8 ;
int m = 7 ;
int z = k < m ? k ++ : m ++ ;
printf ( "%d" , z) ;
```

(vi) Define string assignment.
(vii) Define global function.
(viii) What is function prototype?
(ix) Write two difference between function definition and function declaration.

OR (Visual Basic)

(i) What is focus? How is possible to the focus of different objects? (ii) What does MDI mean?

(iii) How does an array differ from simple variable? (iv) List the file modes for data file in VB.

(v) Describe rules for scope and lifetime of variable in standard module. (vi) Write different types of procedures in VB

(vii) Write the general syntax of function call in VB. (viii) Define project file in VB.

(ix) How many times does the following loop execute?

```
m = 10
Do while m > 1
m = m - 1
loop
```

SECTION – II   Each question carries 08 marks.

(MS-Access) Attempt any ONE question from the following:

5. What is DBMS? Write four features of DBMS in detail.

6. Explain in detail data types used in MS-Access.

Attempt any TWO questions either from C-Language OR Visual Basic

(C -- Language)

7. Define bug. How would you elaborate different types of errors in C-Language?

8. Write a program that input a character and print whether it is vowel or consonant, using switch structure.

9. What is for loop? Describe its working with example and flow chart.

(Visual Basic)

7. Define bug. How would you elaborate different types of errors in Visual Basic?

8. Write a program that input a character and display message whether it is vowel or consonant, using select case.

9. What is for --- next loop? Describe its working with example and flow chart.

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