

Bise SGD

Warning:- Please, do not write anything on this question paper except your Roll No.
1223 (Inter Part-II) **Taleem City** Session 2019-21 to 2021-23)
Computer Science (Subjective)

Time Allowed: 2.10 hours

Paper (II)

Maximum Marks: 60

SECTION _____ I

2. Answer briefly any Six parts from the following.

(MS-Access) $6 \times 2 = 12$

- (i) What do you mean by data independence? (ii) What is view? (iii) Define end user.
(iv) Why is normalization used. (v) What is homonym?
(vi) What is database wizard? (vii) Define cardinality. (viii) How are records sorted in a query?
(ix) What is checkbox?

3. Answer briefly any SIX parts from the followings:-

$6 \times 2 = 12$

C – Language

Visual Basic

- | | |
|---|--|
| (i) Why main function is important in every C Language program? | (i) What is translator? |
| (ii) Differentiate between structured and unstructured programming languages. | (ii) How are controls placed on Form? |
| (iii) Define the "IDE" of turbo C++. | (iii) Who is programmer? |
| (iv) What is object program? | (iv) Distinguish between Load and Unload events. |
| (v) What is user-defined identifier? | (v) What is enable property? |
| (vi) What will be the value of X (integer variable)?
<code>X=3%10%Z;</code> | (vi) Define implicit declaration. |
| (vii) What will be the output of the following code?
<code>printf("%d", 'a'+b);</code> | (vii) Define Input box. |
| (viii) Trace error from the following code:
<code>int x;
scanf ("%d", x);</code> | (viii) How controls are aligned left? |
| (ix) Differentiate between new line and EOF marker. | (ix) How to make controls of equal size? |

4. Answer briefly any Six parts from the followings:-

$6 \times 2 = 12$

C – Language

Visual Basic

- | | |
|---|--|
| (i) What is the use of scanf () function? Write its syntax. | (i) Write two properties of an Algorithm. |
| (ii) Describe the term Format specifier in C-language | (ii) What is the difference between hiding and closing a Form? |
| (iii) Trace the output of the following code segment:
<code>int x=0, y=5, z=4;
x = x+y*2;
y=x-y/2;
printf("%d%d", x,y);</code> | (iii) Define implicit declaration. |
| (iv) Define conditional operator. Write its syntax. | (iv) Describe default property of command button. |

1230 -- 1223 -- 20000

P.T.O

Bise SGD

6 Taleem City

-(2)-

Visual Basic

C- Language

Trace the output of the following code segment:

```
int p=3, q=5;
if((p>q) || (p!=4))
    p=p+1;
else
    q=p-1;
```

```
printf ("%d%d", p, q);
```

Write an expression in C-Language for the following:
Y is greater than X and less than Z.

- i) What is meant by loop?
iii) Why is sentinel value used in loop?
c) Convert the following code into while () loop.

```
int a;
for (a=1; a<=25; a+=2)
if (a%7!=0)
    print f("%d\n", a);
```

(v) What is pop up menu?

(vi) Convert the following code into while—wend loop.
Dim a As Integer
For a=1 To 25 step 2
IF (a Mod 7<>0) Then
Print (a)
End If
Next

(vii) What is Visual Basic event?
(viii) Differentiate between methods and properties.
(ix) Define combo box control.

SECTION ——— II

Note: Attempt any ONE question.

(8 = 1 = 8)

MS - ACCESS

5. Describe the file types from usage print of view?
6. Briefly describe basic data distribution strategies.

SECTION ——— III

Note: Attempt any TWO questions either from "C - Language" OR from "Visual Basic". (8 = 2 = 16)

7. C - Language Define "nested if" statement. Explain its working with Syntax, Flowchart and Example.
7. --OR-- Visual Basic Define "Nested if-Then-Else" structure. Explain its working with Syntax, Flowchart and Example.
8. C - Language Write a program in C-Language which prints the sum of the following series by using loops
 $1+4+9+16+25+\dots+256$
8. --OR-- Visual Basic Write a program in VB which prints the sum of the following series by using loops
 $1+4+9+16+25+\dots+256$
9. C - Language What are global variables? Explain their scope and life time with an example.
9. --OR-- Visual Basic What are global variables? Explain their scope and life time with an example.

1230 -- 1223 -- 20000