

Computer Science (Subjective)

Time: 02:10 Hours

Marks: 60

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:
- (vi) Rewrite the following code after removing errors:

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

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

- (vii) Find and remove the errors in the following code:
- (viii) Why C-Language is called strongly typed language?

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

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

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

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

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

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

- (v) Predict the output of the following code segment:
- (vi) Define string assignment.

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

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

(Continued P / 2)

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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