

SECTION – I

(MS-ACCESS)

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

12

- (i) Define file or dataset.
- (ii) Discuss the role of fixed length field.
- (iii) What are the responsibilities of DBA?
- (iv) Briefly describe one-to-one relationship.
- (v) Define hybrid data distribution strategy.
- (vi) What are the anomalies?
- (vii) Enlist four different layouts of form.
- (viii) Define design view.
- (ix) Briefly describe the role of queries in MS-Access.

C-Language

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

12

- (i) Define keyword with example.
- (ii) What is control string in printf function?
- (iii) Write following statement in C Language code: Speed not greater than 60.
- (iv) Predict the output of the following code :

```
int m = 15 , n = 4;  
printf ( “ %d %d ” , m %n , n% m );
```
- (v) Write errors in the following code :

```
Float avg;  
printf ( “Enter a number : ”);  
scanf ( “% f ” , avg );
```
- (vi) Find errors in the following code :

```
Void main ( ) ;  
{  
float n1 = 4.5 , n2 = 7.2  
printf ( “ % f /t % f ” , n1 , n2 )  
}
```
- (vii) Write name of any four file opening modes.
- (viii) Define stream.
- (ix) Predict output of the following code :

```
printf ( “ Hello \n Pakistan \n ”);  
printf ( “ 123 \t Over ! ”);
```

OR

(Visual Basic)

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

12

- (i) Why Visual Basic is called event-driven language?
- (ii) Write the operating modes of VB?
- (iii) What is project explorer window?
- (iv) What is meant by object methods?
- (v) How can be changed the focus of a control?
- (vi) Enlist four form events.
- (vii) How would you define predefined properties values?
- (viii) How are properties assigned at Runtime?
- (ix) Differentiate string properties values and Boolean values.

C-Language

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

12

- (i) Write the syntax of nested if statement.
- (ii) Differentiate for () loop and while () loop.
- (iii) Predict the output of the following code segment and draw a flow chart :

```
char g = ‘M’;  
if ( g == ‘M’ )  
printf ( “ Male”);  
else  
printf ( “ Female ” );
```
- (iv) Convert the following while () loop into for () loop :

```
int i = 5;  
while ( i <= 10 )  
{  
printf ( “ % d \n ” , i );  
}
```
- (v) Predict the output of the following code segment :

```
int x = 1;  
while ( x + + <= 5 )  
printf ( “ %d \n ” , x );
```
- (vi) Write two important points to use functions in C-language program.
- (vii) What are two types of function arguments?
- (viii) Differentiate scope of a local and global variable.
- (ix) What is the purpose of void used in the following function declaration;

```
void counter ( void );
```

OR

(Turn Over)

(Visual Basic)

12

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

- (i) What is the purpose of 'val' function?
- (ii) Why it is important to declare a variable before you use it?
- (iii) Write the purpose of input box and text box.
- (iv) Define the control structure.
- (v) Differentiate do-until-loop and do-while-loop.
- (vi) Write the syntax of do-until-loop.
- (vii) What is sentinel value in conditional loop?
- (viii) Differentiate pre-test and post-test loop.
- (ix) Give output of the following code segment :

```
sum = 0
while i <= 5
print i
sum = sum + i
i = i + 1
WEND
```

SECTION – II**(MS ACCESS)****Note : Attempt any ONE question.**

5. What is normalization? Explain first normal form.
6. Explain any four data types available in MS-Access.

8
8**SECTION – III****Note : Attempt any TWO descriptive answers (either from “ C-Language” or from “ Visual Basic”) of the following questions.****(C – Language)**

7. Briefly describe characteristics of high level programming language.
8. Write a program in C-language that inputs a character and displays whether it is vowel or consonant.
9. Write a program that produces the following output using loop :

8
8
8

Number	Square Root
0	0.00
1	1.00
2	1.41
3	1.73
4	2.00
5	2.24

OR**(Visual Basic)**

7. Briefly describe characteristics of high level programming language.
8. Write a program in Visual Basic that inputs a character and displays whether it is vowel or consonant.
9. Write a program that produces the following output using loop :

8
8
8

Number	Square Root
0	0.00
1	1.00
2	1.41
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