

Note: Section I is compulsory.

SECTION - I
MS-ACCESS

12

2. Write short answers to any SIX questions:

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|--|---|
| i. Write down two advantages of database systems. | vi. What is meant by "atomic values"? |
| ii. In which condition, you need to create composite key in a relation? Justify your answer. | vii. What is database wizard? |
| iii. What is foreign key? | viii. Why are we using Input Masks? |
| iv. Differentiate between relation and relationship. | ix. Differentiate between ListBox and ComboBox. |
| v. What is the main purpose of "Partitioned" data distribution strategy? | |

C-LANGUAGE

12

3. Write short answers to any SIX questions:

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|---|--|
| i. Define variable initialization. | v. What is meant by & in scanf function? |
| ii. Write down the following statement in C-language.
"Age is between 18 years and 50 years" | vi. Find any two errors
void main ();
{int a = 10;
printf('%s', b);
} |
| iii. Find any two errors
integer x, y;
z = x + y;
printf("z = %d", z); | vii. Write the output of the following code
printf("\n Amir \t\t 78 \t\t 425");
printf("\n Tahir \t\t 23 \t\t 388"); |
| iv. Find output
int a = 5, b = 10;
int z = a + b * 2;
printf("Result = %d", z); | viii. Describe the purpose of '\0' in strings. |
| | ix. What is a stream? |

OR

VISUAL BASIC

12

3. Write short answers to any SIX questions:

- | | |
|---|--|
| i. Define a method in VB. | vi. How is a picture removed at runtime? |
| ii. What is the main advantage of using Visual Basic? | vii. What is ListIndex property? |
| iii. Describe form window. | viii. Define Word Wrap in VB. |
| iv. Differentiate between menubar and toolbar. | ix. What is FileListBox control? |
| v. Write down any two forms events. | |

C-LANGUAGE

12

4. Write short answers to any SIX questions:

- | | |
|---|--|
| i. Why break statement is used in a switch () structure? | v. Predict the output of the following code segment
int n;
for (n = 10; n >= 1; n--)
printf("%d", n); |
| ii. Predict the output of the following code segment
int a = 10, b = 5;
if (a > b)
printf("PLINAB");
else
printf("KPK"); | vi. Define function. |
| iii. Define nested loop. How does it work? | vii. How is a function activated? |
| iv. Convert the following code into while loop:
int i;
for (i = 1; i <= 5; i++)
{
printf("In Pakistan");
} | viii. Write down the use of formal parameters. |
| | ix. Write down two importances of functions? |

(Turn Over)

VISUAL BASIC

4. Write short answers to any SIX questions:

- i. Define currency data type in VB.
- ii. Describe option explicit declaration in VB.
- iii. Write down the syntax of input box.
- iv. How select.....Case help in coding?
- v. What is default property of command button?

vi. Trace the output:
if(10 MOD 3 = 0) Then
 print ("YES")
else
 print ("NO")
End if

- vii. How an AND operator is used in VB statement?
- viii. What is sentinel value?
- ix. Write down the syntax of For.....Next loop.

SECTION - II
MS-ACCESS

Note: Attempt any ONE question.

5. Briefly describe four major components of database systems. (8)
6. Explain different types of Queries? (8)

SECTION - III

Note: Attempt any TWO questions (either from "C-Language" or from "Visual Basic"):

C - LANGUAGE

7. What are errors? Discuss different types of errors which may occur in C-Language program. (8)
8. Write a program in C-language that inputs a year and finds whether it is a leap year or not, using if-else structure. (8)
9. Write a program that displays first five odd numbers and their average using while loop. (8)

OR
VISUAL BASIC

7. Discuss any eight form objects in VB. (8)
8. Write a program in Visual Basic that inputs a year and finds whether it is a leap year or not, using If...Then...Else structure. (8)
9. Write a program in VB that displays first five odd numbers and their average using While Wend loop. (8)