

Note: Section I is compulsory.

SECTION – I**MS-ACCESS**

12

2. Write short answers to any SIX questions:

- | | |
|---|---|
| i. Define the term database. | v. Define centralized data distribution strategy. |
| ii. Discuss the advantage of variable length field over fixed length field. | vi. What is synonym problem in database? |
| iii. What is the role of end user in database system? | vii. Briefly describe the role of table object in database. |
| iv. Briefly describe the concept of cardinality. | viii. Define the concept of wildcards. |
| | ix. Discuss the layout of datasheet form. |

C-LANGUAGE

12

3. Write short answers to any SIX questions:

- | | |
|---|--|
| i. What is meant by initializing a variable? | v. Why is ampersand (&) used in scanf function? |
| ii. Write the following statement in C-language code:
Temp between 15 and 32 inclusive | vi. Find errors in the following code:
#include <studio.h>
viode main ()
{ int a = 10;
printf("%d", a);
} |
| iii. Write errors in the following code:
int m, y ;
m = 10.3;
y = 5;
printf("%d %d", m, y). | vii. Predict output of the following code
int n = 512 , b ;
b = n% 10;
printf("%d \n %d" , n , b); |
| iv. Predict the output of the following code:
int x = 5 , y = 10;
x = x + y;
y = y - x;
printf("%d %d", x , y); | viii. Define binary stream.
ix. Write usage of file pointer. |

OR**VISUAL BASIC****3. Write short answers to any SIX questions:**

12

- | | |
|--|--|
| i. What are three basic controls used in Visual Basic? | vi. What is meant by Focus? |
| ii. What is properties windows? | vii. Differentiate between Modal and Modeless Forms |
| iii. Write ways to exit from Visual Basic. | viii. What is the importance of visible property in VB Form? |
| iv. How object methods are called? | ix. Write the method to close a VB Form. |
| v. Define event procedures. | |

C-LANGUAGE**4. Write short answers to any SIX questions:**

12

- | | |
|---|---|
| i. Give examples of two control structures. | v. Give output of the following code:
for(int x=1 ; x <= 5 ; x++)
printf("%d \n", x * x); |
| ii. Predict the output of the code:
char ch;
ch = 'p';
if(ch == 'p')
printf("pass");
else
printf("fail"); | vi. Give any two advantages of using a user defined function in C-language program. |
| iii. Differentiate between 'do - while' and 'while' loop. | vii. What is the purpose of function call and function return? |
| iv. Convert the following for() loop in to while ()
for(int i = 1 ; i <= 5 ; i++)
printf("%d \n", i); | viii. Differentiate between local and global variables. |
| | ix. What is the purpose of function header and function prototype? |

(Turn Over)

OR

VISUAL BASIC

4. Write short answers to any SIX questions:

- i. Differentiate between explicit and implicit declaration of variable.
- ii. Write the syntax of input box.
- iii. List four relational operators in VB.
- iv. What symbol is used for NOT operator in Visual Basic? Give example.
- v. When should a for – Next loop be used?
- vi. Write syntax of for – Next loop.
- vii. What is the purpose of counter variable?

- viii. Write output of following code segment:
x = 0

while x <= 15

print x + 2

x = x + 2

wend

What is meant by iteration in a loop?

ix.

12

SECTION - II

MS-ACCESS

Note: Attempt any ONE question.

5. Define Database model? Explain Hierarchical model along with example. (8)

6. Define view. What are two table views available in MSAccess? How can you switch between them? (8)

SECTION - III

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

C – LANGUAGE

7. How would you create, edit, compile, link and execute a program in C-Language? Discuss briefly. (8)

8. Write a program in C-language that inputs three numbers and finds the smallest number. (8)

9. Write a program in C-language that calculates the sum of the following series using loop: (8)

1.0 1.5 2.0 2.5 3.0 3.5 10.0

OR

VISUAL BASIC

7. How would you create, edit, compile, link and execute a program in VB? Discuss briefly. (8)

8. Write a program in Visual Basic that inputs three numbers and finds the smallest number. (8)

9. Write a program in Visual Basic that calculates the sum of the following series using loop: (8)

1.0 1.5 2.0 2.5 3.0 3.5 10.0