

- iii. How would you define sentinel value?
- iv. Predict the output if the following code segment executes for
 For (int i=5; i<=12; i++)
 Printf ("Pakistan\n");
- v. Convert the following code segment into *for loop* structure

```

Void main ( ) {
int outer = 7;
int inner;
while (outer > =1)
{
inner =1;
While (inner <=outer)
{
Printf ("*");
inner ++;
}
Printf ("\n");
Outer --;
}
}

```
- vi. Write down any two benefits of use of functions in C programs.
- vii. What is meant by function call?
- viii. How would you express the scope of a variable?
- ix. How would you declare and initialize a string variable?

Visual Basic

- i. How would you express GOTO statement?
- ii. Differentiate between *if-then-Else* and *select-case statement*?
- iii. When should you use Do-until-loop?
- iv. What is use of step value?
- v. Name two types of subprograms.
- vi. What is use of function procedure?
- vii. What is difference between module and procedure?
- viii. How values are returned from function?
- ix. How would you explain pass by value?

Note: - Attempt any one question.

SECTION – C

MS-ACCESS

5. What are four major components of database systems? Write in detail.
6. Briefly describe the following field properties in MS Access?
 i) Field validation Rules.
 ii) Yes/No
 iii) Input Masks.
 iv) Indexes.

SECTION – D

Note: - Attempt any two questions from "C-Language" OR "Visual-Basic".

C-LANGUAGE

7. Briefly describe step by step procedure to prepare a C Program for execution. 8
8. Write a program that inputs three numbers from the user and displays the minimum number. 8
9. Define nested loop. Explain it with syntax and example. 8

VISUAL BASIC

7. Explain visual basic program development process in detail. 8
8. Write a program that inputs three numbers from the user and displays the minimum number. 8
9. Define nested loop. Explain with syntax and example. 8