SECTION-I
MS ACCESS

2. Write short answers of any six parts from the following: (6x2=12)

   i. What is data redundancy?   ii. Define synonym.   iii. What is the role of data administrator?

   iv. How many primary keys can be defined in a table?   v. Why is list box used in form?

   vi. How referential integrity is attained?   vii. What do you mean by IDE?

   viii. What is the use of query wizard?   ix. How does a data base differ from a table?

C LANGUAGE

3. Write short answers of any six parts from the following: (6x2=12)

   i. What is high level language?   ii. Distinguish between compiler and interpreter.

   iii. Why the logical error is the most difficult to trace?   iv. Define syntex error.

   v. Write the legal character for an identifier.

   vi. Rewrite the expression $x += 2$, without using compound assignment operator.

   vii. Predict the output of the following code segment: viii. Find error in the following code segment:

   ```
   int x = 13;
   int y = 3;
   Print of ("%d %d %d", x/y, y, x, x%y);
   ```
   ```
   Integer x, y, sum
   z = x + y
   Printf ("sum = %d", z);
   ```

   ix. How is a file closed?

(OR) VISUAL BASIC

3. Write short answers of any six parts from the following:

   i. What is high level language?   ii. Distinguish between compiler & interpreter.

   iii. Why the logical error is the most difficult to trace?   iv. Define syntax error.

   v. Write the legal character for an identifier.   vi. Define mouse down event.

   vii. What is mouse move event?   viii. What is key up event?   ix. How form is unloaded?

C LANGUAGE

4. Write short answers of any six parts from the following: (6x2=12)

   i. Determine output of following code segment: ii. Determine output of following code segment:

   ```
   Int n, a, b;
   n = 400;
   a = n % 100;
   b = n / 10;
   Print f ("Result = %d %d", a, b);
   ```
   ```
   Int X = 1, Y = 3, z = 3;
   If ((X == Y) //(Y == z)!! (z == 2)
   Printf ("Yes");
   else
   printf ("No");
   ```

   iii. Define clrscr ( ) function?   iv. Write following statement in C language: Temperature is between 25 and 35.

   v. What happens if break is missed in case block?

   vi. What is the use of scanf ( ) function?   vii. Differentiate between while and do while loop.

   viii. Convert following code into for loop: ix. What is nested loop?

   ```
   Int c = 2
   Do
   Print f ("%d", C);
   While (C <= 5);
   ```

(OR) VISUAL BASIC

4. Write short answers of any six parts from the following:

   i. What are Active X control   ii. Define command button control.

   iii. Define procedure level variable.   iv. What is the purpose of "caption" property of control?

   v. Which function loads a picture at run time?   v. What is meant by event procedure?

   vii. Define" locked" property of textbox.   vii. Differentiate between image and picture control.

   ix. Define combo box control.

SECTION-II

Note   Attempt any one question from the following: (M.S ACCESS)   (8x1=8)

   5. Explain features of database management system.   6. What is ER diagram? Give an example of ER diagram

SECTION-III

Note   Attempt any two questions either from "C-Language" or "Visual Basic".   (8x2=16)

"C-Language"	"Visual Basic"
7. Define "if-else-if" statement. Explain its working with syntax, flowchart and example.	7. Define "if - - then - - else -- structure? Explain its working with syntax, flowchart and example.
8. Write a program in C-language which prints the sum of the following series by using loop:	8. Write a program in VB which prints the sum of the following series by using loop:

$$1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \cdots + \frac{1}{n}$$ $$1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \cdots + \frac{1}{n}$$

9. Briefly describe the process of writing a function in C-language   9. Briefly describe the process of writing a function in VB