

SECTION – I

(MS-ACCESS)

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

12

- (i) Differentiate between data and information.
- (ii) Define the term table or relation.
- (iii) What do you mean by redundancy?
- (iv) Define referential integrity.
- (v) List any two advantages of reports.
- (vi) Define sorting.
- (vii) State the use of wild cards.
- (viii) How is combo box used?
- (ix) Write down two responsibilities of database administrator.

C-Language

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

12

- (i) Define unstructured programming.
- (ii) What is constant macro?
- (iii) Describe linker.
- (iv) What are syntax errors?
- (v) Give two examples of standard identifiers.
- (vi) Rewrite the expression `a ++` without using increment operator `++`.
- (vii) Find errors in the following code.
`int a = 5;`
`int double = 20;`
`printf( " Result = %d", double )`
- (viii) Determine the output of the following code segments.
`int x = 7;`
`int y = 3;`
`printf ( " %d and %d ", x / y, x % y );`
- (ix) How a file is closed?

OR

(Visual Basic)

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

12

- (i) Define unstructured programming.
- (ii) What is flowchart?
- (iii) Describe interpreter.
- (iv) What are syntax errors?
- (v) What is meant by an assignment operator?
- (vi) List down any two rules for naming variables.
- (vii) Define properties window in VB.
- (viii) Write the syntax of input box in VB.
- (ix) Differentiate between source code and object code.

C-Language

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

12

- (i) Why format specifiers are important to be specified in I / O operation?
- (ii) What is the use of `getch ( )` function?
- (iii) Predict the output of the following code :
`int m, n, k;`
`m = 15; n = 20;`
`k = m + n;`
`printf ( " k = %d ", - - k );`
- (iv) Determine the output of the following code:
`int x = 10;`
`( x % 2 == 0? printf ( " Even" ) : printf ( " odd " ) );`
- (v) What are the limitations of simple if statement?
- (vi) Convert " speed is not greater than 65" into a C-language expression.
- (vii) Write down the uses of loop.
- (viii) What is the use of goto statement?
- (ix) Convert the code given below in do-while :
`int m = 10;`
`for ( m = 8; m >= 1 ; m - - )`
`printf ( " %d ", m % 2 );`

OR

(Visual Basic)

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

12

- (i) What is meant by sequence structure in VB?
- (ii) Write down limitations of if--- then structure.

(Turn Over)

4. (iii) Define loop. Write two uses of loop.
- (iv) What is the use of NOT operator?
- (v) When should Do --- Until loop be used?
- (vi) Define array, element and subscript.
- (vii) How would you narrate array manipulation?
- (viii) How does an option button differ from check box?
- (ix) What is the purpose of the statement "Unload Me"?

SECTION – II

(MS ACCESS)

Note : Attempt any ONE question.

5. What is file processing system? Discuss any three problems in traditional file processing approach. 8
6. What is database design? Briefly explain the database design process with the help of diagram. 8

SECTION – III

Note : Attempt any TWO descriptive answers (either from " C-Language" or from " Visual Basic") of the following questions.

(C – Language)

7. Explain multiple " if-else" statement with example. Write down its syntax. Also draw its flow chart. 8
8. Write a program that prints the following series using loop : 8
19 16 13 10 7 4 1
9. Write a note on the following : 8
(a) Local variable scope and life time. (b) Passing parameters to function in C.

OR

(Visual Basic)

7. Explain extended if--then--else structure with example? Write down its syntax. Also draw its flow chart. 8
8. Write a program that prints the following series using loop : 8
19 16 13 10 7 4 1
9. Write a note on the following : 8
(a) Local variable scope and life time. (b) Passing parameter to functions in VB.

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