

**COMPUTER SCIENCE PAPER-II (NEW SCHEME)**

TIME ALLOWED: 20 Minutes

**OBJECTIVE**

MAXIMUM MARKS: 15

**Note:** You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve questions on this sheet of OBJECTIVE PAPER.

**Q.No.1**

(Either from "MS-ACCESS &amp; C-LANGUAGE" OR from "MS-ACCESS &amp; VISUAL BASIC")

**MS-ACCESS**

- (1) A logical grouping of characters is a:-  
(A) Field (B) Record (C) File (D) Table
- (2) A table is a two dimensional structure that consists of:-  
(A) X and Y coordinates (B) Matrix elements (C) rows and columns (D) Intersection of data
- (3) A person's name, birthday and social security number are examples of:-  
(A) Attributes (B) Entities (C) Relationships (D) Descriptors
- (4) \_\_\_\_\_ form of dependency is removed in 3NF.  
(A) Functional (B) Non-functional (C) Associative (D) Transitive
- (5) \_\_\_\_\_ is not a database object.  
(A) Table (B) Query (C) Report (D) MS Word
- (6) In a relational database, a single piece of information is called:-  
(A) Table (B) Records (C) Entity (D) Attribute

**C-LANGUAGE**

- (7) The ".exe" file produced by:-  
(A) Linker (B) Loader (C) Compiler (D) Interpreter
- (8) Variable and constant names can not contain a (n):-  
(A) Number (B) Underscore (C) Letter (D) Period
- (9) Format specifier is started with symbol:-  
(A) ? (B) % (C) & (D) \*
- (10) In if statement, false is represented by:-  
(A) 0 (B) 1 (C) 2 (D) 3
- (11) Relational operators allow you to \_\_\_\_\_ numbers.  
(A) Compare (B) Add (C) Multiply (D) Divide
- (12) A loop within a loop is called:-  
(A) Nested loop (B) Complex loop (C) Infinite loop (D) Dual loop
- (13) \_\_\_\_\_ is a loop statement.  
(A) if (B) if - else (C) Switch (D) For
- (14) Formal arguments are also called:-  
(A) Actual arguments (B) Dummy arguments (C) Original arguments (D) Referenced arguments
- (15) An array script should be:-  
(A) int (B) Float (C) Double (D) An array

**OR**  
**VISUAL BASIC**

- (7) The ".exe" file produced by:-  
(A) Linker (B) Loader (C) Compiler (D) Interpreter
- (8) Variable and constant names can not contain a (n):-  
(A) Number (B) Underscore (C) Letter (D) Period
- (9) Use \_\_\_\_\_ to declare variable in Visual Basic.  
(A) Identifier (B) Dim (C) Sub (D) Event
- (10) In if statement, false is represented by:-  
(A) 0 (B) 1 (C) 2 (D) 3
- (11) Relational operators allow you to \_\_\_\_\_ numbers.  
(A) Compare (B) Add (C) Multiply (D) Divide
- (12) A loop within a loop is called:-  
(A) Nested loop (B) Complex loop (C) Infinite loop (D) Dual loop
- (13) \_\_\_\_\_ is a loop statement.  
(A) if (B) if - else (C) Switch (D) For-next
- (14) Formal arguments are also called:-  
(A) Actual arguments (B) Dummy arguments (C) Original arguments (D) Referenced arguments
- (15) An array script should be:-  
(A) int (B) Float (C) Double (D) An array

**INTERMEDIATE PART-II (12<sup>th</sup> CLASS)****COMPUTER SCIENCE PAPER-II (NEW SCHEME)****MIN-12-18**

TIME ALLOWED: 2.10 Hours

**SUBJECTIVE**

MAXIMUM MARKS: 60

**NOTE: - Write same question number and its part number on answer book, as given in the question paper.****SECTION-I****(Either from "MS-Access & C-Language" or from "MS-Access & Visual Basic").****2. Attempt any six parts.****MS-ACCESS****6 x 2 = 12**

- (i) Define Data Dictionary.
- (ii) Describe Database.
- (iii) List any two responsibilities of data administrator.
- (iv) State the purpose of cardinality.
- (v) What is Synonym?
- (vi) Differentiate between full functional dependency and transitive dependency.
- (vii) What is the use of title bar in MS-Access?
- (viii) Discuss the use of design view in MS-Access.
- (ix) Distinguish between form and sub-form.

**3. Attempt any six parts.****C-LANGUAGE****6 x 2 = 12**

- (i) Explain preprocessor directives with example.
- (ii) What are delimiters in C?
- (iii) Describe the concept of linker.
- (iv) Define keywords with example.
- (v) What is garbage value?
- (vi) What is output of : `printf("%C", 67);`
- (vii) Define escape sequence character with example.
- (viii) What is Sentinel Controlled Loop?
- (ix) Find errors of C code:

```
int a = 10, b = 40
print ("sum: ", a + b)
```

**4. Attempt any six parts.****6 x 2 = 12**

- (i) What is a Continue Statement?
- (ii) Define Ternary Operator.
- (iii) What is the use of Switch Statement?
- (iv) What is an Expression?
- (v) Write output of the code.  
`float f = 3.1415 ;`  
`printf ("% 7.2f", f)`
- (vi) Define Function Prototype.
- (vii) What is Return Statement?
- (viii) What is File Pointer?
- (ix) Convert the following code into Do-while loop code:-

```
int n = 1;
while (n <= 7 )
{
    printf ("% * /n");
    n++;
}
```



OR

VISUAL BASIC

6 x 2 = 12

**3. Attempt any six parts.**

- (i) Define properties of Window.
- (ii) Explain Code Window.
- (iii) Differentiate between hiding and closing a form.
- (iv) Define Keywords
- (v) What are Variant Variables?
- (vi) Explain the use of concatenation operator.
- (vii) Explain general syntax of msgbox ( ).
- (viii) Write general syntax of inputbox ( ).
- (ix) How can we declare double type variables?

MTN-12-1R

**4. Attempt any six parts.**

6 x 2 = 12

- (i) What is a variable declaration in Visual Basic?
- (ii) List any three properties of Timer Control.
- (iii) Define Identifier.
- (iv) What is an Assignment Operator?
- (v) Differentiate between Variable length and Fixed length string.
- (vi) Write use of Checkbox in Visual Basic.
- (vii) Trace errors  
For i = 0 to 4 increment 1  
Print "Hello"  
next j
- (viii) Find output  
if (3 > 1) then  
print ("First no is greater");  
else  
print ("second no is greater")  
end if
- (ix) Convert into while loop code.  
for a = 1 to 7  
print a \* 2  
next a  
end sub

**SECTION-II**

**MS-ACCESS**

**NOTE: - Attempt any one question.**

- 5. Briefly describe basic data distribution strategies. 2 + 2 + 2 + 2 = 8
- 6. What are Field Properties? Explain at least three field properties with examples. 2 + 2 + 2 + 2 = 8

**C-LANGUAGE**

**NOTE: - Attempt any two questions.**

- 7. Describe eight rules for naming variables in C – Language. 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 8
- 8. Write a program in C – Language that inputs two numbers and one arithmetic operator (+, -, \*).  
It applies arithmetic operation on numbers on the basis of given operator. 8
- 9. Define Do-While Loop with Syntax. Explain its working with example and flowchart. 2 + 1 + 3 + 2 = 8

OR

**VISUAL BASIC**

**NOTE: - Attempt any two questions.**

- 7. Describe any eight properties of form in Visual Basic. 8
- 8. Write a program in Visual Basic that inputs two numbers and one arithmetic operator (+, -, \*).  
It applies arithmetic operation on numbers on the basis of given operator 8
- 9. Define Do-loop-until with syntax. Explain its working with example and flowchart. 2 + 1 + 3 + 2 = 8