

## 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. Marking or filling two or more circles will result in zero mark in that question. Attempt as many questions as you can. Only one circle should be filled. No credit will be awarded in case of multiple bubbles. Do not solve questions on this sheet of OBJECTIVE PAPER.

No.1

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

MS-ACCESS

- (1) SQL is a:
  - (A) Unstructured Language
  - (B) Structured Language
  - (C) Object Oriented language
  - (D) Software
- (2) A table must have:
  - (A) Primary Key
  - (B) Secondary Key
  - (C) Composite Key
  - (D) Sort Key
- (3) E-R diagram represents:
  - (A) Attribute
  - (B) Relationship
  - (C) Cardinals
  - (D) Entity
- (4) Which form of dependency is removed in 3 N.F?
  - (A) Functional
  - (B) Non-functional
  - (C) Associative
  - (D) Transitive
- (5) MS-Access saves the database with extension:
  - (A) .mdb
  - (B) .msdb
  - (C) .madb
  - (D) .mxls
- (6) Which of the following Menues is used to switch between table?
  - (A) Edit
  - (B) File
  - (C) Tools
  - (D) View

C-LANGUAGE

- (7) C is a:
  - (A) High Level language
  - (B) Low Level Language
  - (C) Assembly Language
  - (D) Machine Language
- (8) The left side of an assignment statement holds:
  - (A) Variable
  - (B) Constant
  - (C) Expression
  - (D) Digit
- (9) The functions used for input and output is stored in:
  - (A) Stdio.h
  - (B) Conio.h
  - (C) Math.h
  - (D) Inout.h
- (10) The case block ends with:
  - (A) End select
  - (B) End Case
  - (C) break
  - (D) Case Else
- (11) Which operator in C is called a ternary operator?
  - (A) If
  - (B) b++
  - (C) ?
  - (D) ( )
- (12) In which loop the condition comes after the body of the loop?
  - (A) for
  - (B) while
  - (C) do while
  - (D) nested
- (13) The loop which never ends is called:
  - (A) Infinite loop
  - (B) Running loop
  - (C) Continuous loop
  - (D) Nested loop
- (14) Global variables are created in:
  - (A) Ram
  - (B) Rom
  - (C) Hard disk
  - (D) Cache
- (15) In the statement File \*FP, The "represent:
  - (A) Variable
  - (B) Parameters
  - (C) Arguments
  - (D) Pointer

ORVISUAL BASIC

- (7) Visual Basic is:
  - (A) High Level language
  - (B) Low Level Language
  - (C) Assembly Language
  - (D) Machine Language
- (8) The left side of an assignment statement holds:
  - (A) Variable
  - (B) Constant
  - (C) Expression
  - (D) Digit
- (9) Which of the following is an optional element of an event procedure?
  - (A) End sub
  - (B) Handles
  - (C) Object-Event
  - (D) Statement
- (10) Each element in a control array is identified:
  - (A) Test Index
  - (B) Tab Index
  - (C) Index
  - (D) Subscript
- (11) The default message box style is:
  - (A) Yes No
  - (B) Yes No cancel
  - (C) Ok only
  - (D) Retry cancel
- (12) In which loop the condition comes after the body of the loop?
  - (A) for...next
  - (B) while-end while
  - (C) do while
  - (D) nested
- (13) What is the name of a program that translates VB code to object code?
  - (A) Interpreter
  - (B) Assembler
  - (C) Compiler
  - (D) Debugger
- (14) Which is not a property of the common controls?
  - (A) Hide
  - (B) Name
  - (C) Back color
  - (D) Fore color
- (15) Which events is activated when a radio button is selected?
  - (A) Selected changed
  - (B) Selection changed
  - (C) Checked
  - (D) Checked changed

INTERMEDIATE PART-II (12<sup>th</sup> CLASS)

## COMPUTER SCIENCE PAPER-II (NEW SCHEME)

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 &amp; C-Language" or from "MS-Access &amp; Visual Basic").

Attempt any six parts.

## MS-ACCESS

6 x 2 = 12

- (i) What is the main purpose of database system?
- (ii) Why is report generator used in database system?
- (iii) What is the basic purpose of using views?
- (iv) How is database integrity maintained?
- (v) Define synonym.
- (vi) Differentiate between partial dependency and transitive dependency.
- (vii) Define the term table in database.
- (viii) What is database wizard?
- (ix) Which control is used to execute commands in MS-Access forms?

Attempt any six parts.

## C-LANGUAGE

6 x 2 = 12

- (i) How is a header file included in C-program?
- (ii) Why main function is used in C-program?
- (iii) Define an identifier with example.
- (iv) Predict the output of following code segment:  

```
int x = 7;
int y = 3;
printf ("%d and %d", x/y, x % y);
```
- (v) Initialize three variables  $T_1$ ,  $T_2$ ,  $T_3$  in a single line by assigning values 48, 45 and 39 respectively.
- (vi) Find errors in following code segment  

```
void main (void);
{ int c = 7
  printf ("%d", c);
}
```
- (vii) Differentiate between printf and scanf functions.
- (viii) Write a C-statement which scans three floating point variables  $a$ ,  $b$  and  $c$  in a single line.
- (ix) Determine the output of the following code segment:  

```
float f = 3.14159;
printf ("f = %4.2f", f);
```

OR

## VISUAL BASIC

3. Attempt any six parts.

6 x 2 = 12

- (i) Define executable file in Visual Basic.
- (ii) Differentiate between 'Key down' and 'Key up' events.
- (iii) What is Variable declaration?
- (iv) How do you define operator precedence?
- (v) Declare and initialize three variables  $T_1$ ,  $T_2$  and  $T_3$  by assigning values 48, 50 and 32 respectively.
- (vi) What mathematical operators are used in Visual Basic?
- (vii) Define "Concatenation" with an example.
- (viii) How would you define relational operators?
- (ix) What is the use of "NOT" operator?

P.T.O.



(2)

C-LANGUAGE

6 x 2 = 12

MTN-12-19

## 4. Attempt any six parts.

- (i) Define compound statement.
- (ii) Write a C-statement that assigns 1 to the variable *y* if the value of the variable *x* is greater than 0. Otherwise, it assigns -1 to the variable *y*.
- (iii) What will be the output of the following:
- ```
char c = 'a';
switch ( c )
{
    case 'a'
        printf ("a");
    default:
        printf ("Not a" );
}
```
- (iv) Define infinite loop.
- (v) Change the following while loop to for loop:
- ```
int c = 0;
while ( cc = 5)
{
    printf ("%d\n",C);
    c++;
}
```
- (vi) What will be the output of the following:
- ```
int c = 1;
do
{
    printf ("%d", c)
}
while ( c++ c = 4);
```

- (vii) What do you know about user defined function?
- (viii) Define Local Variable.
- (ix) How is the end of text file indicated?

ORVISUAL BASIC

6 x 2 = 12

## 4. Attempt any six parts.

- (i) Define Logical Operator.
- (ii) What is goto statement?
- (iii) Differentiate between Counter and Conditional loop.
- (iv) Define Do-Loop structure.
- (v) What is Iteration?
- (vi) Explain array manipulation.
- (vii) What is control array?
- (viii) How does an array differ from simple variable?
- (ix) Define user-defined function.

SECTION-IIMS-ACCESS NOTE: - Attempt any one question.

Write any four advantages of DBMS. 8

Discuss different methods of modifying a table in MS-Access. 8

C-LANGUAGE NOTE: - Attempt any two questions. 8

Write any eight characteristics of C-Language. 8

What is if-else statement? Draw its flow chart, also explain its working with an example. 8

Write a program in C that inputs a number from the user and displays the table of that number using for loop. 8

ORVISUAL BASIC NOTE: - Attempt any two questions. 8

Write a program to swap the value of two variables without using third variable. 8

What is if-then-else statement? Draw its flow chart, also explain its working with an example. 8

Write a program in VB that inputs a number from the user and displays the table of that number using For--Next loop. 8

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