Roll No._____ Annual 2018

Computer Science
(New Scheme)

Paper : II

(INTERMEDIATE - PART- II) (I)

Time : 20 Minutes

Academic Session 2016-18
Objective   Code : 8831

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 with marker or pen. Cutting or filling two or more circles will result in zero mark in that question.

(ATTEMPT EITHER FROM ' MS- ACCESS & C-LANGUAGE ' OR FROM ' MS-ACCESS & VISUAL BASIC ')

MS - ACCESS

1. i. The process of arranging data in a logical sequence is called
   (A) sorting   (B) summarizing   (C) data capturing   (D) classifying

   ii. The foreign key is found in
   (A) parent table   (B) pivot table   (C) dependent table   (D) index table

   iii. Which of the following is used to associate entities with one another?
   (A) attribute   (B) relationship   (C) identifier   (D) object

   iv. In relational database, a table is also called
   (A) tuple   (B) file   (C) schema   (D) relation

   v. Microsoft access saves the database with the extension
   (A) .msdb   (B) .mdb   (C) .madb   (D) .mxls

   vi. The default field size of a text data type field is
   (A) 2   (B) 5   (C) 20   (D) 50

C – LANGUAGE

   vii. The output of the compiler is
   (A) library code   (B) linked code   (C) object code   (D) source code

   viii. The number of bytes used by int data type in C is
   (A) 2   (B) 4   (C) 6   (D) 8

   ix. Which of the following escape sequence can be used to begin a new line in C ?
   (A) \a   (B) \b   (C) \m   (D) \n

   x. The programming structure used for a computer making a decision is
   (A) sequential   (B) selection   (C) repetition   (D) iteration

   xi. Switch statement is an alternative of
   (A) nested if - else   (B) if - else   (C) for loop   (D) while loop

   xii. Which of the following is called counter loop?
   (A) while loop   (B) do - while loop   (C) for loop   (D) nested loop

   xiii. Which statement is used to move the control to the start of loop body?
   (A) break   (B) continue   (C) default   (D) switch

   xiv. The first line of function definition is known as
   (A) function body   (B) arguments   (C) function header   (D) return type

   xv. Which of the following function is used to copy a string to an array of characters?
   (A) strcpy   (B) strpcy   (C) strycp   (D) copy

OR
VISUAL BASIC

   vii. The rectangle symbol in a flow chart indicates
   (A) condition   (B) input   (C) process   (D) output

   viii. All the following are examples of control except
   (A) property   (B) label   (C) text box   (D) button

   ix. The naming prefix for a label control is
   (A) lab   (B) lbe   (C) leb   (D) lbl

   x. Which of the following is not a control structure in visual basic?
   (A) sequence   (B) iteration   (C) selection   (D) repetition

   xi. Which of the following is a logical operator?
   (A) AND   (B) >   (C) +   (D) =

   xii. The visual basic project is saved with extension
   (A) .Exe   (B) .frm   (C) .vbp   (D) .com

   xiii. The naming prefix for a text box control is
   (A) lab   (B) txt   (C) tex   (D) lbl

   xiv. The MOD operator in VB is used for
   (A) exponentation   (B) division   (C) integer remainder   (D) multiplication

   xv. Variable and constant names cannot contain a (n):
   (A) period   (B) letter   (C) underscore   (D) number

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Computer Science

(New Scheme)
Paper : II

(INTER PART II CLASS 12ᵗʰ)   Time : 2 : 10 Hours

Academic Session 2016-18   Marks : 60

SUBJECTIVE

Note:-   Either from " MS-Access & C-Language" or from "MS-Access & Visual Basic"

(Section – I)

MS – ACCESS

2. **Write short answers to any Six parts:**   (6 x 2 = 12)

i. Define data file.
ii. List any two file types from usage point of view.
iii. Write down the basic purpose of using views.
iv. What is the purpose of analysis?
v. Describe the term homonym.
vi. What is meant by referential integrity?
vii. Differentiate between database and table.
viii. What is the use of datasheet view in MS. Access?
ix. Differ between combo box and list box.

C – LANGUAGE

3. **Write short answers to any Six parts:**   (6 x 2 = 12)

i. Why does machine language program execute faster?

ii. Write shortcut keys for compile and execute a C program.

iii. Define syntax error with example.

iv. Define keyword with example.

v. Write the use of operators.

vi. Write output of following code
   Int x = 4 * 5 / 2 + 9 ;
   Print f (" % d" ; x) ;

vii. Why is the ampersand (&) used in scanf function.;

viii. Trace errors in following code.
   void main ( )
   {
   x = 20 ;
   y = 40 ;
   x + y = z
   print f (% d" ; z)}

ix. Write the output of following code.
   int a , b , c ;
   a = 5 ;
   b = 10 ;
   c = a + b ;
   print f (" The sum of a + b = % d" ,C) ;

OR
VISUAL BASIC

3. **Attempt any Six parts**   (6 x 2 = 12)

i. What is purpose of language processor?
ii. Define properties window.
iii. List four events in Visual Basic.
iv. Write the purpose of assignment operator in VB.
v. Define logical operators in Visual Basic.
vi. Define Do – until loop.
vii. Differentiate between inner and outer loop.
viii. Write about manipulation of array.
ix. List three uses of array.

4. **Attempt any Six parts**   (6 x 2 = 12)

C – LANGUAGE

i. What is control structure?

ii. Determine the output.
   int x = 1 , y = 2 , z = 3 ;
   If ((x = = y)   (y = = z) (z = = 2))
   print f (" yes") ;
   else
   print f (" No") ;

iii. Find errors
   int x ;
   If (x = 1 or 2)
   print f (" % d" , x);

iv. Define post – test loop.

v. Determine the output.
   Int i = 1 ;
   While (i < 10)
   {
   print f (" % d" , i + +);
   }

vi. Convert the following loop into do – while loop.
   int x ;
   for (x = 0 ; x < = 10 ; x + +)
   print f (" % d" , x % 2);

vii. Differentiate between actual and formal parameters.

viii. What is the purpose of f gets ( ) function?

ix. Compare local variable and global variable.

(Turn Over)

SWL-18

4. **Attempt any Six parts**

OR

(6 x 2 = 12)

VISUAL BASIC

i.   How are instructions executed in sequence structure?

ii.   Determine the output of the following code
DIM K As Integer, m As Integer
K = 7
m - K mode (k - 3)
print K & " And" & m

iii.   Find errors in the following code
DIM Z As Integer
Z = 49
If Z mod 2 equal to 0
then print " Even"

iv   What is nested loop?

v.   Determine the output.
For I = 1 to 6 step 2
Print I
Next

vi.   Write the difference between pre-test and post – test loops.

vii.   What is meant by user defined function?

viii.   Differentiate between local and global variable.

ix.   What is a text file?

Section-II

MS - ACCESS

Note:-   **Attempt any One question.**

5.   Define data modeling? Describe its components in detail.   8

6.   What is query? Explain any three types of queries.   8

C – LANGUAGE

Note:-   **Attempt any Two questions:**

7.   Write down the rules for naming variables in C – Language.   8

8.   Write a program that inputs a character from user and displays whether it is vowel or not
(using switch statement)   1 + 1 + 1 + 1 + 4 = 8

9.   What is while loop? Explain its working with the help of example and flowchart.
2 + 2 +2+2=8

OR

VISUAL BASIC

Note: **Attempt any Two questions:**

7.   Write down the rules for naming variables in visual basic.   8

8.   Write a program in VB that inputs three numbers from user and finds the maximum number
among them.   1+1+6= 8

9.   What is while – wend loop? Explain its working with the help of an example and flowchart. 8

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