Q-1   Select the correct option.   10

(1)   The parameters used in a function call are called...

A   arguments   B   formal

C   actual   D   None of these

(2)   The variable declared inside a function is called...

A   global   B   local

C   function   D   None of these

(3)   _____ operator connects the structure name to its member.

A   underscore   B   dot

C   !   D   None of these

(4)   The variables declared in a structure definition are called as its...

A   objects   B   members

C   record   D   None of these

(5)   Which of the following is not a C memory allocation function?

A   malloc()   B   calloc()·

C   realloc()   D   alloc()

(6)   _____operator is used with a pointer to access the value of the variable whose address is contained in the pointer

A   address of   B   sizeof

C   indirection   D   None of these

(7)   By default, all the files are opened in _____mode .

A   binary   B   text

C   octal   D   decimal

(8)   _____is datatype of file pointer.

A   int   B   double

C   string   D   FILE

(9)   A function which calls itself is known as _____.

A   reverse   B   recursive

C   reserve   D   None of these

(10)   A _____ is a collection of different data items.

A   structure   B   array

C   char   D   None of these

Q-2   Do as directed. (ATTEMPT ANY TEN)   **20**

   (1)   List all the categories of user-defined functions.

   (2)   Write and explain syntax for function declaration.

   (3)   What is actual and formal parameter?

   (4)   Differentiate structure and union.

   (5)   Which are the ways to access structure members?

   (6)   Write and explain syntax for structure definition.

   (7)   Define pointer variable.

   (8)   List benefits of pointer.

   (9)   List out memory management functions.

   (10) List out different file modes.

   (11) List basic file operations performed on file.

   (12) Explain fclose() with example.

Q-3 **A**   Explain function with no return type and no parameters.   **5**

      B   Explain function with no return type and with parameters.   **5**

                              OR

      A   Explain function with return type and with parameters.   **5**

      B   Explain recursive function with example.   **5**

Q-4 **A**   Explain structure initialization with example.   **5**

      B   Explain array of structure with example   **5**

                              OR

      A   Explain structure within structure with example.   **5**

      B   Explain union with syntax and example.   **5**

Q-5 **A**   Explain malloc() with example.   **5**

      B   Explain pointer arithmetic expressions in detail.   **5**

                              OR

      A   Explain calloc() with example.   **5**

      B   Explain declaration and initialization of pointer variable with syntax and   **5**
            example.

Q-6   Explain getc() and putc() with example.   **10**

                              OR

            Explain getw() and putw() with example.   **10**

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