Copy #1 of Data Structures Array Lab Quiz-2

Question Prompt: 1

Total Points: 2

What will be the output of the given code : int array[5] = {1, 2, 3, 4, 5} printf ("%ld", array);

☐ 1 2 3 4 5

☐ 1

☑ Address of array[0]

☐ Compilation error

Question Prompt: 2

Total Points: 1

An array is

☐ Sequential memory allocation

☐ Fixed size memory

☐ Can hold multiple values with same reference name

☑ All the above

Question Prompt: 3

Total Points: 1

The disadvantage of an array is :

☐ All elements are accessed by single name

☑ Size is fixed

☐ Using index values to access elements is complex

☐ Consumes lot of memory

Question Prompt: 4

Total Points: 1

We can declare the array size as negative.

☐ True

☑ False

Question Prompt: 5

Total Points: 2

What does the following declaration mean? int (*ptr)[10];

☐ ptr is array of pointers to 10 integers

☑ ptr is a pointer to an array of 10 integers

☐ ptr is an array of 10 integers

☐ ptr is an pointer to array

Question Prompt: 6

Total Points: 1

In C, if you pass an array as an argument to a function, what actually gets passed?

☐ Value of elements in array

☐ First element of the array

☑ Base address of the array

☐ Address of the last element of array

Question Prompt: 7

Total Points: 3

What will be the output of : int main() { int a[5] = {5, 1, 15, 20, 25}; int i, j, m; i = ++a[1]; j = a[1]++; m = a[i++]; printf("%d, %d, %d", i, j, m); return 0; }

☐ 2, 1, 5

☐ 1, 2, 5

☑ 3, 2, 15

☐ 2, 3, 20