

- #1 If an IndexOfAny method is passed a string it:
- (a) generates an error.
  - (b) will search for the first occurrence of the sequence of characters.
  - (c) searches for the first occurrence of any of the characters in the string.
  - (d) will return the index of the first occurrence of any character in the string.
  - (e) finds the first occurrence of each letter in the string.
- #2 ToUpper( string ) is
- (a) a class method in the namespace 'System.String'
  - (b) a way to make the first letter of every word in a string a capital letter.
  - (c) a way of converting a string to all upper cases.
  - (d) a way of making one string more important than the rest.
  - (e) a syntax error.
- #3 Which of the following methods of FileStream will reset the file-position pointer back to the beginning of the file?
- (a) Seek
  - (b) SeekStart
  - (c) Beginning
  - (d) Origin
  - (e) Reset
- #4 Deserialize returns a reference of type:
- (a) Deserialized, which must be cast to the appropriate type to manipulate the object.
  - (b) the type that the object was originally.
  - (c) Serial, which will polymorphically dereference to the proper type.
  - (d) the type of the object that invoked the Deserialize method.
  - (e) object, which must be cast to the appropriate type to manipulate the object.
- #5 What exception is thrown when an error occurs during serialization or deserialization?
- (a) DeserializationException
  - (b) SerializationException
  - (c) SerialException
  - (d) SerializationException and DeserializationException , respectively
  - (e) DeserialException

Enter the letter(s) of each answer below. You may choose multiple answers, but credit will be divided by the number of choices made.

1 **A** 2 **E** 3 **A** 4 **E** 5 **B** 6 **D** 7 **A** 8 **A** 9 **C** 10 **D**

- #6 If the search key is not in an array of 10 elements, how many comparisons must the linear search algorithm make?
- (a) 1
  - (b) 0
  - (c) 9
  - (d) 10
  - (e) 5
- #7 How much faster is the insertion sort with a 15-element array than with a 60-element array?
- (a) 16 times.
  - (b) 60 times.
  - (c) 4 times.
  - (d) 8 times.
  - (e) 2 times.
- #8 Every simple type struct inherits from class \_\_\_\_\_.
- (a) ValueType
  - (b) SimpleType
  - (c) Primitive
  - (d) Struct
  - (e) Number
- #9 Which statement is false?
- (a) Stacks support recursive method calls in the same manner as conventional, nonrecursive method calls.
  - (b) When a method call is made, the called method must know how to return to its caller, so the return address is pushed onto the program execution stack.
  - (c) The program execution stack contains the space created for a method's global variables on each invocation of that method during a program's execution.
  - (d) When a method returns to its caller, the memory for that method's local variables is popped off the stack and those variables are no longer known to the program.
  - (e) The program execution stack contains the space created for a method's local variables on each invocation of that method during a program's execution.
- #10 A(n) \_\_\_\_\_ conversion is when an object is cast into another type.
- (a) wrapping
  - (b) boxing
  - (c) converting
  - (d) unboxing
  - (e) implicit