

# Computer Science Answer Key

## UIL UTCS UIL Open 2011

1. A	11. B	21. E	31. C
2. A	12. D	22. D	32. C
3. E	13. C	23. E	33. D
4. B	14. E	24. B	34. B
5. C	15. E	25. D	35. E
6. B	16. E	26. D	36. C
7. B	17. D	27. D	37. C
8. D	18. A	28. B	38. B
9. D	19. A	29. E	39. B
10. D	20. D	30. C	40. B

### Notes:

The clause "Choose the most restrictive correct answer." is necessary because per the formal definition of Big O, an algorithm that is  $O(N^2)$  is also  $O(N^3)$ ,  $O(N^4)$ , and so forth.

29. The compiler will not convert the `int` to a `double` and then autobox the `double` to a `Double` object in this case.

33. `static` methods may not call non `static` methods in the way shown in the class.