Computer Science Answer Key
Cypress Woods, December 2013

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

Notes:

26. Given `n = ar.length`, the runtime of `magic` is O(n+k). However, since `k`=100 is constant, O(n+100)=O(n).

27. `magic` implements the counting sort algorithm.

32. The greedy quantifier `*` signifies zero or more.

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.