ANSWER KEY

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

ANSWERS EXPLAINED

1. **(E)** Segment I is an initializer list which is equivalent to

```
int[] arr = new int[4];
arr[0] = 0;
arr[1] = 0;
arr[2] = 0;
arr[3] = 0;
```

Segment II creates four slots for integers, which by default are initialized to 0. The for loop in segment III is therefore unnecessary. It is not, however, incorrect.

- 2. **(C)** If arr contains no negative integers, the value of i will eventually exceed N-1, and arr[i] will cause an ArrayIndexOutOfBoundsException to be thrown.
- 3. **(E)** The intent is to sum elements arr[0], arr[1], ..., arr[arr.length-1]. Notice, however, that when i has the value arr.length-1, it is incremented to arr.length in the loop, so the statement sum += arr[i] uses arr[arr.length], which is out of range.
- 4. **(A)** The code segment has the effect of removing all occurrences of 0 from array arr1. The algorithm copies the nonzero elements to the front of arr1. Then it transfers them to array arr2.
- 5. (C) If arr[i] < someValue for all i from 2 to k, SMALL will be printed on each iteration of the for loop. Since there are k 1 iterations, the maximum number of times that SMALL can be printed is k 1.</p>