Zonal Informatics Olympiad, 2016

Solutions

Question 1	Number of binary strings					
	(a)	75	(b)	175	(c)	399
Question 2		Number of paths with even Reds				
	(a)	40	(b)	52	(c)	96
Question 3	Number of valid permutations					
	(a)	71	(b)	461	(c)	3447
Question 4	Number of subsets					
	(a)	13	(b)	10	(c)	12

Marking

The question paper carries 80 marks, broken up into four questions of 20 marks each. Each question has three parts. *If you solve all three parts correctly, you get 20 marks for that question.* Otherwise, you get 5 marks for each part that you solve correctly.

Qualifying cutoff

- $\bullet~$ Std 12: 30
- $\bullet~$ Std 11: 30
- $\bullet\,$ Std 10 or below: 25