Zonal Informatics Olympiad, 2017

Solutions

1. Number of ways of expressing T as the sum of four elements of S.

   (a) 60

   (b) 14

   (c) 30

2. Minimum distance travelled by hikers.

   (a) 104

   (b) 199

   (c) 593

3. Minimum number of rounds of hide and seek.

   (a) 15

   (b) 10

   (c) 145

4. Number of ways to get a Good substring.

   (a) 21

   (b) 144

   (c) 154

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

- Std 12: 55

- Std 11: 50

- Std 10: 45

- Std 9: 40

- Std 8 or below: 35