Advanced Algorithms and Parallel Programming 1st part (Advanced Algorithms)–January 30th 2020

Polimi ID _____ _____

Surname _____ _____ **Name** _____

- This is a closed-book examination. You cannot use computers, phones or laptops during the exam.
- Paper will be provided, but you should bring and use writing instruments that yield marks dark enough to be read easily. Erasable pens can be used.
- Total available time: 1h:00m.

Exercise 1 (5   points) _____

Exercise 2 (6   points) _____

Exercise 3 (5   points) _____

Exercise n. 1

Describe how skip-list delete works.

Exercise n. 2

Describe how radix and counting sort algorithms interact.

Exercise n. 3

Describe what the memorization technique is and for what is relevant. List and discuss some examples using this technique.