**CSC 453 introduction to parallel processing**

**Homework Assignment #1 (5 points)**

Due date: 20-11-2020 (Online 5:00PM)

Name:Click here to enter text.

Student ID:Click here to enter text.

Q1. Select a laptop of your own then find the following:

1. What processor type does it have?Click here to enter text.
2. How many cores does this computer have?Click here to enter text.

Q2. Complete the following table where ***p*** is the number of processors, T1 time on single processor, and Tp time on ***p*** processors:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***p*** | T1 | Tp | Sp | Ep |
| 2 | 2400 | 1300 | Click here to enter text. | Click here to enter text. |
| 4 | 2400 | 700 | Click here to enter text. | Click here to enter text. |
| 8 | 2400 | 400 | Click here to enter text. | Click here to enter text. |

Q3. On the list of June 2020 of the top 500 super computers which supercomputer ranked #5?

Name:Click here to enter text.

Number of cores: Click here to enter text.

Number of nodes: Click here to enter text.

Type of network: Click here to enter text.

RMax (Tflops/s): Click here to enter text.

Country: Click here to enter text.