

Theory Subjects – 17 January 2019

Work Time: 30min

Please copy the subjects and then close your laptops.

Default (1p)

1.(3p). Compare static vs non-static methods in Java.

2.(3p). Given the following collection

```
List<Integer> numbers = Arrays.asList(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16);
```

Using Java functional style (Java streams),

please write a program that is doing the following operations in the following order:

a) eliminates all the numbers which are not multiple of 4;

b) transform the result into a list

3.(3p). What is a Java thread.