Theory Subjects – 22 January 2019

Work Time: 30min
Please copy the subjects and then close your laptops.

Default (1p)

1.(3p). Discuss the overriding mechanism 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 either multiple of 4 or multiple of 5;
b)transform the result into a list

3.(3p). What is a Java checked exception.