**Assignment 13 - Modern Programming in Java**

1. Which of the following lambda functions computes the cube of an integer?

a. x -> x \* x \* x

b. x -> x ^ 3

c. (int x) -> x \* x \* x

d. (int x) -> x ^ 3

**ANS c) and d)**

2. Which of the following code snippets finds all persons over the age of 25?

a. persons.stream().find(p.getAge() > 25)

b. persons.stream().find(p -> p.getAge() > 25)

c. persons.stream().filter(p.getAge() > 25)

d. persons.stream().filter(p -> p.getAge() > 25)

**ANS d)**

3. Which of the following lambda functions represents a Predicate?

a. (int i) -> i + 10

b. (String s) -> s.trim()

c. (Person p) -> p.getAge() > 100

d. (BigDecimal n) -> System.out::println

**ANS c)**

4. Which of the following lambda functions represents a Consumer?

a. (int i) -> i + 10

b. (String s) -> s.trim()

c. (Person p) -> p.getAge() > 100

d. (BigDecimal n) -> System.out::println

**ANS d)**

5. Which of the following lambda functions represents a Function?

a. (int i) -> i + 10

b. (String s) -> s.trim()

c. (Person p) -> p.getAge() > 100

d. (BigDecimal n) -> System.out::println

**ANS b)**