PROGRAMMING IN JAVA

Assignment 2

TYPE OF QUESTION: *ONLINE PROGRAMMING SOLUTION*

Number of questions: 5   **Total mark: 5 × 2 = 10**

QUESTION 1:

Sample Solution:

```java
// Creating object of inner class Student
School.Student inner = new School().new Student();
// Accessing the 'print()' method of the inner class Student
inner.print();
```

QUESTION 2:

Sample Solution:

```java
// Creating object of class Student
Student student = new Student();
// Call 'print()' method of class Student
student.print();
// Creating object of class School
School school = new School();
// Call 'print()' method of class School
school.print();
```

QUESTION 3:

Sample Solution:

```java
// 'studentMethod()' method is defined in class Question213
void studentMethod(){
// Calling a method named 'print()' in class Question213
    print(this);
}
```

QUESTION 4:

Sample Solution:

```java
// This is the class Answer
class Answer{
    // This is the default constructor of the class Answer
    Answer(){
        System.out.println("You got nothing.");
    }
    // This is a parameterized constructor of the class Answer
    Answer(int marks, String type){
    //The 'this()' referene variable is able to call the default
constructor of the class.
        this();
        //Print marks and type of the question
        System.out.println("You got "+marks+" for an "+ type);
    }
}
```

QUESTION 5:

Sample Solution:

```java
//Declare variable with name 'nptel', 'space' and 'java' and proper
datatype
    String nptel, space, java;

//Initialize the variables with proper input
    nptel = "NPTEL";
    space = " ";
    java = "JAVA";
```

*************END*************