OOP with Java Machine Test - 2

March-24/ OOP\_with\_JAVA/002 Time: 02:00hrs

OOP with Java

Diploma in Advance Computing

March 2024

Q1. Create an Abstract class **Processor** with int member variable **data** and method **showData** to display data value. Create abstract method **process**() to define processing of member **data**.

* 1. Create a class **Factorial** using abstract class **Processor** to calculate and print factorial of a number by overriding the process method.
  2. Create a class **Circle** using abstract class **Processor** to calculate and print area of a circle by overriding the process method

Ask user to enter choice (factorial or circle area. Use Processor class reference to achieve this mechanism.