

ASSIGNMENT – 2

(Submit without fail on or before 24th May, 2020)

1. Differentiate class, abstract class and interface. [3M]
2. Create a Java class Student with the following details as variables (USN, Name, Branch, Phone Number). Write a Java program to create n subject objects and print USN, Name, Branch and Phone Number with suitable message. [5M]
3. What is a constructor? What is its requirement in programming? Explain with a program. [7M]
4. Discuss various access modifiers available in Java. How do access modifiers affect the visibility of a member in different access locations? [10M]
5. Write a program to find the sum of multiple numbers using method overloading. [5M]
6. With suitable code segments illustrate the various uses of '**final**' keyword. [5M]
7. Discuss anonymous inner classes. [5M]
8. Differentiate between C++ and Java with respect to inheritance. Mention the use of super class and **this** parameter in java with example. [10M]