

BITS edu campus
Institute of Technology
B.E. Semester 5th Sessional Exam
Subject: Object Oriented Programming with Java(2150704)

Branch: CSE

[24th August, 2016]

[Time: 3:15 pm to 4:45 pm]

Total Marks: 20

Instructions:

- ❖ Attempt all the questions.
- ❖ Read the instructions carefully
- ❖ Figures to the right indicate full marks.

- Q. 1.** Explain following terms with example (**Any Five**): **[05]**
1. Polymorphism
 2. Association
 3. Multiplicity
 4. Modeling
 5. Encapsulation
 6. JVM
 7. Abstraction
- Q. 2.** What is the use of static keyword in java? Explain with example. **[05]**
- OR**
- Q. 2.** Differentiate (**Any Two**): **[05]**
1. String class and StringBuffer class
 2. Abstract classes and Interfaces
 3. Method Overloading and Method Overriding
- Q. 3.** What is a package? Explain steps to create package with example. **[05]**
- OR**
- Q. 3.** Explain the use of final, this and super keywords in java. **[05]**
- Q. 4.** Write a program that creates and initializes a four integer element array. Calculate and display the average of its values.
- OR**
- Q. 4.** Describe abstract class called Shape which has three subclasses say **[05]**
Triangle, Rectangle and Circle. Define one method area() in the abstract class and override this area() in these three subclasses to calculate area for specific class' object.

*****ALL THE BEST*****