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**KGISL INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Model Exam – Unit I**

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| **Class:** | **II BTech IT** | **Max Marks:** | **100** |
| **Semester:** | **III** | **Duration:** | **3:00 Hrs** |
| **Subject:** | **Object Oriented Programming** | **Subject Code:** | **CS8392** |
| **Date:** |  |  |  |

**Part A (10 X 2 = 20 Marks)**

1. Define OOP.
2. Define Encapsulation in OOP?
3. What is polymorphism?
4. What is Object in OOP?
5. What is Class in OOP?
6. What is the difference between JRE and JDK?
7. Write a java program that prints values of basic arithmetic operations done with two numbers?
8. Create a class for employee and use it?
9. Give an example of a parameterized constructor.
10. List the data types supported by java?

**Part A (5 X 13 = 65 Marks)**

11. a. Explain about characteristics of Java(13)

(OR)

b. Explain about OOP Principles (13).

12. a. Explain the procedures to set up java environment for development (13)

(OR)

b. Explain about fundamental structure of Java Programming.

13. a. Develop a java program that help to manage student information’s (13).

(OR)

b. Develop a java program that help to manage employee information’s(13).

14. a. Explain about access specifiers and static members with example (13).

(OR)

b. Explain about data types supported in java with example (13).

15. a. Explain about control flow structures in java with example (13).

(OR)

b. Explain about javadoc commands in java with example (13).

**Part A (5 X 13 = 15 Marks)**

15. a. Develop a java project that helps to calculate EB bill for user(15).

(OR)

b. Develop a java project that helps to do basic banking transactions (15).