**St. Joseph’s College (Autonomous), Bangalore**

**Date: 3-07-2017**

**VI Semester Examination, jUNE 2017**

**B C A**

**CA 6212 : Object Oriented Systems Design**

**Time 3Hrs Max Marks 100**

**This paper contains 2 printed pages and 3 parts**

**PART-A**

**Answer all TEN questions 3 x10 = 30**

1. Define a class.
2. What is UML?
3. Explain Meta- Class.
4. What is Prototyping?
5. What are the different types of Attributes?
6. Explain Encapsulation and Abstraction.
7. Explain Object Diagram.
8. What is Testing?
9. Define Distributed Processing.
10. Explain DBMS.

**PART-B**

**Answer any FIVE questions 8 x5 = 40**

1. Explain Rumbaugh et al’s Object Modelling Technique.
2. Explain OOA in detail.
3. Explain Client Server computing in detail.
4. Explain the different types of prototyping in detail.
5. Explain Black Box testing in detail.
6. Write in detail the different types of Database Models.
7. Explain in detail UML Interaction Diagram.

**PART-C**

**Answer any THREE questions 10 x3 = 30**

1. Explain Rapid Development and Component Based Development in detail.
2. Write UML class Diagram considering example of your own.
3. Explain Distributed Database in detail
4. Write in detail about designing classes.
5. Explain Corollary 1 in detail.