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| Date: 11-4-19 |



**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27**

**BCA – VI SEMESTER**

**SEMESTER EXAMINATION: APRIL 2019**

**CA 6215- Object Oriented System Design**

**Time- 2 1/2 hrs Max Marks-70**

**SUPPLEMENTARY CANDIDATES ONLY**

**This paper contains ONE printed page**

**I.ANSWER ALL THE QUESTIONS(10\*2=20)**

1. What is OOSD?
2. What is UML diagram
3. Define Polymorphism with an example
4. Define a Pattern
5. Explain the four quality measures of system evaluation.
6. Define Component Based Development
7. What is a Meta Class.
8. What are Associations.
9. What is the need for Classifications of Objects
10. What is Object Persistence.

**II.ANSWER ANY FIVE QUESTIONS(5\*6=30)**

1. What is a Corollary? Explain Uncoupled Design with less Information content in detail.
2. Consider a SUPER MARKET System and Design at least four classes and Write the UML diagram with Association.
3. Write a short note on UML class diagram and Use cases.
4. Discuss the different types of Classification of Objects in detail
5. Explain Client-Server Technology in detail
6. Explain Object Oriented Analysis in detail
7. Write in detail UML Interaction Diagram.

**III.ANSWER ANY TWO QUESTIONS(10\*2=20)**

1. Demonstrate Aggregation , Composition and Generalization with a neat diagram
2. Explain Jacobson ET AL Methodology.
3. a) Discuss the different types of Prototyping

b)Explain Object Oriented Design in detail

 CA-6215-B-19