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

Register Number:

Date:

**B.C.A VI SEMESTER**

**SEMESTER EXAMINATION: APRIL 2018**

**CA 6415 – OBJECT ORIENTED SYSTEM DEVELOPMENT**

**Time – 2.5 hours Max Marks -70**

**I Answer all the following 2\*10= 20**

1. What are the main advantages of Object Oriented Development?
2. Distinguish between method and Messages in Object.
3. What is UML Interaction Diagram? Mention it types.
4. Mention the different steps involved in macro development process.
5. What is Business process model?
6. What is Aggregation and Containment?
7. List the Object Oriented Design Corollaries.
8. Differentiate Public, Private and Protected Protocols.
9. Define Hierarchical and Relational Model.
10. Define Coupling? Mention the different types of object coupling?

**II.Answer any FIVE of the following. 5\*6= 30**

1. What is Object Oriented SDLC? Discuss the Software Development Process with Illustration.
2. Discuss OMT Functional Model in detail.
3. Explain with an example any five UML Class Diagram.
4. Write in detail about developing the document in effective Scenario.
5. Explain about Noun Phrase Approach.
6. What are corollaries? Explain in detail Corollaries1.
7. a) Explain Refining attributes using UML attributes presentation.

b) Explain the steps involved in Micro level Process.

**III Answer any TWO of the following. 2\*10=20**

1. a) Explain UML Collaboration Diagram (5)

 b) Write an on note on Use Case with an example? (5)

 19. a) Write in detail about BOOCH Methodology. (7)

 b) Explain Classes, Responsibility and collaborators. (3)

 20. a) Write about Super Sub-Class Relationships. (6)

 b) Write in detail about Object Relational System. (4)