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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** | | | | | |
| **M.Sc(COMPUTER SCIENCE) –IV SEMESTER** | | | | | |
| **SEMESTER EXAMINATION: APRIL 2018**  **CS0215:OOAD WITH UML** | | | | | |
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| **Time- 2 1/2 hrs** | |  | **Max Marks-70** | | |
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**Answer any seven questions: 7 \* 10= 70**

1. a) Explain Software Development Life Cycle. (3).

b) Explain Life cycle of OOSD in detail. (7)

1. a)Explain Rumbaugh et al’s Object Modeling Technique’s OMT Functional Model

(5)

b) Explain UML Activity Diagram with an example (5)

1. Explain the following UML Diagrams with example (3+4+3)

b) Class Interface Notation

b) Aggregation and Compositions and Generalization

c) Qualifiers and Multiplicity

1. Designing classes in detail.
2. a)State the two Axioms on which Corollaries are formed. (2)

b) Explain Corollary 1 in detail. (8)

1. Explain micro and macro development process with any case study

of your own. (10)

1. a) Write the benefits and risks of OOSD. (5)

b)Explain State chart Diagram with an example (5)

1. a)What is Object Oriented Implementation? (2)

b) Explain Component Diagram with example. (4)

c) Explain Deployment Diagram with example. (4)

1. What are the advantages of Use Case Diagrams . Consider Aircraft Management System and draw the Use Case Diagram. (10)