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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** | | | | | | |
| **B.C.A – VI SEMESTER** | | | | | | |
| **SEMESTER EXAMINATION: APRIL 2018** | | | | | | |
| **CA 6215- Object Oriented System Development** | | | | | | |
|  |  |  |  |  |  |
| **Time- 2 1/2 hrs** | |  | **Max Marks- 70** | | |
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| **This Paper contains two sides** | | | | | | |
| **I.Answer the following questions (2\*10=30)** | | | | | | |

1. Define Encapsulation and Data Abstraction.
2. What is the strength of OMT?
3. What is the strength of Booch methodology?
4. What is an Association rule?
5. What is the difference between Static and Dynamic Model
6. What is the difference between Sequence and Collaboration diagrams
7. How will you organize Use cases?
8. What are the concept classes?
9. How would you identify a Super-Subclass Relationship?
10. What is a protocol?  What are public and private protocols?

**II.Answer any five of the following questions (5\*6=30)**

1. Write a note on Object Oriented SDLC?
2. Explain developing Effective Documentation used in OOA?
3. Explain Noun Phrase Approach with an example?
4. Explain the UML Interaction Diagram with a suitable example?
5. Describe the macro process of view layer design?
6. Consider Library Management System and draw Use Case Diagram.
7. What is an OODBMS? Describe the difference between an OODBMS and Traditional DBMS.

**P.T.O**

**III.Answer any two of the following questions (2\*10=20)**

1. Describe Designing Methods, Attributes and protocols.
2. Explain Corollary 6 and 5 in detail.
3. What is UML Class Diagram? Explain the different types of UML Class Diagram?