|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |
| **Date: 25-06-2019** |
|   |
|  |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** |
| **B.C.A – IV SEMESTER** |
| **SPECIAL SUPPLIMENTORY EXAMINATION-JUNE** |
| **CA6215- Object Oriented System Design** **Supplementary candidates only.** |
|  |  |  |  |  |  |
| **Time- 2 1/2 hrs** |  | **Max Marks-70** |
|  |  |  |  |  |  |
| **This paper contains two printed pages and three parts** |
|  |  |  |  |  |  |

 |

PART A

ANSWER ALL QUESTIONS (10\*2=20)

1. Define Object.
2. Define Encapsulation.
3. What is Prototyping? Mention its importance.
4. Define OOBE.
5. What is the role of ACTOR in Use Case Diagram?
6. What is 80-20 Rule?
7. Define Noun-Phrase approach.
8. Define Generalization and Association.
9. What are various access specifiers?
10. What is UML Object Constraint Language?

PART B

ANSWER ANY 5 (6\*5=30)

1. Write in detail about object oriented SDLC with a neat diagram.
2. Explain Macro development process in detail.
3. Consider the following scenario- The user should login using email id and password. Neatly draw an activity diagram.
4. Explain the steps involved in creating effective documentation.
5. Write in detail about Super-Sub class relationship.
6. Explain the concept of Object Oriented design process.
7. Define Database. Explain Hierarchical and Network Database Model.

PART C

ANSWER ANY 2 (2\*10=20)

1. Explain in detail about Jacobson ET AL Methodology.
2. Define Coupling. Explain in detail about its types.
3. Define Corollaries. Explain Corollary 1 and Corollary 2 in detail.

**CA6215\_A\_19**