# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

## M.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

SECOND SEMESTER – NOVEMBER 2016

### CA 2805 - OBJECT ORIENTED SOFTWARE ENGINEERING

Date: 05-11-2016          Dept. No.                          Max. : 100 Marks
Time: 01:00-04:00

## PART-A

**Answer ALL Questions**                                                        **10 X 2=20**

1) List the concepts of object orientation.
2) What is meant by falsification and prototyping?
3) Mention the types of relationships between use cases.
4) List the UML notations.
5) What constitutes the construction phase?
6) Write a note on the types of components.
7) How do you increase the reliability of software system?
8) Distinguish between test stubs and drivers.
9) Name the five levels of software process maturity of a software development organization.
10) What are the different kinds of reviews?

## PART-B

**Answer ALL Questions**                                                        **5 X 8=40**

11) a) Explain object oriented analysis.
                    **(or)**
    b) Give a brief explanation on system development and methodology.
12) a) Elucidate interaction diagrams.
                    **(or)**
    b) Explain Diagram organization
13) a) Explain traceability in the context of  C++ environment.
                    **(or)**
    b) Describe implementation environment.
14) a) Give a detailed description on model elements used during testing
                    **(or)**
    b) Explain documents maintained during testing
15)  a) Illustrate the models employed in organizing the development of a product.
                    **(or)**
    b) Explain the special roles involved in project development.

## PART-C

**Answer ANY TWO Questions**                                                    **2 X 20=40**

16) a) Give a detailed explanation on system development as a process of change.     **(10)**

   b) Explain use case diagrams                                                      **(10)**

17) Elucidate the following:

   a) Managing Testing                                                              **(10)**

   b) Software Quality Assurance                                                    **(10)**

18) Describe testing activities.                                                    **(20)**

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