



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

SECOND SEMESTER – APRIL 2016

CA 2805 - OBJECT ORIENTED SOFTWARE ENGINEERING

Date: 22-04-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL the questions

(10 x 2=20)

- 1) What is meant by incremental development?
- 2) How are the objects organised?
- 3) Name the interaction diagrams.
- 4) Write the three main reasons for having construction phase.
- 5) How traceability is maintained all through from analysis to implementation?
- 6) What are the criteria for ODBMS?
- 7) Name the three types of usability tests.
- 8) How are testing activities documented?
- 9) Mention the methods to detect and manage risks.
- 10) Write down the characteristics of software product quality.

PART - B

Answer ALL the questions

(5 x 8=40)

- 11) a) Answer the following:
 - a) Factors that classify a good system
 - b) Falsification and prototyping

(or)

 - b) Give explanation on system development and methodology.
- 12) a) Explain activity diagrams.

(or)

 - b) Elucidate the various relationships between the use cases.
- 13) a) Describe Fagan's inspection method.

(or)

 - b) Explain deriving design model from analysis model with suitable diagrams.
- 14) a) Explain any two types of unit testing and integration testing.

(or)

 - b) Describe the management of testing activities.
- 15) a) Describe the special roles played by the development team.

(or)

 - b) Explain software metrics.

PART- C

Answer ANY TWO questions

(2 x 20 = 40)

16) a) Explain the phases of existing methods of system development. **(10)**

b) Give a brief description on interaction diagrams. **(10)**

17) Explain the following:

a) Conversion of class diagrams into source code and tables in a database. **(10)**

b) System testing. **(10)**

18) a) Elucidate the following:

a) Model elements used in testing. **(15)**

b) SQA Reviews. **(5)**
