



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

SECOND SEMESTER – APRIL 2017

16PCA2MC03- OBJECT-ORIENTED SOFTWARE ENGINEERING

Date: 24-04-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Part-A

(5 x 2 = 10)

ANSWER ALL :

1. Write the four important constituents used for software development.
2. Mention the important qualities of OOSE.
3. What is UML? Mention the use of it.
4. What is requirement analysis?
5. What is component in OOSE?
6. What is ODBMS? Mention the use of it.
7. What are the objectives of good testing?
8. What is Regression testing?
9. Write the steps involved in risk analysis
10. What is software metrics?

Part-B

(5x 8 = 40)

ANSWER ALL :

11. a) Write short notes object oriented system development.
(or)
b). Explain about prototyping model.
12. a) Explain about class diagram with an example.
(or)
b) Explain about activity diagram with an example.
13. a) Explain about use of components in OOSE..
(or)
b). Write short notes on component lifecycle with a diagram.
14. a) Explain about the automation testing.
(or)
b) Write short notes on integration testing.
15. a) Explain about the risk areas involved in OOSE project
(or)
b) Explain about software quality assurance.

Part-C

ANSWER ANY ONE :(2 x 20 = 40)

16. a) Explain in detail about object oriented analysis.

b) Explain in detail about use case model with suitable example.

17.a) Explain about object DBMS in detail.

b) Explain in detail about different types of software testing techniques.

18. Explain in detail about software metrics with neat diagram.

b). Explain about software configuration management.

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