



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

SECOND SEMESTER – APRIL 2018

17/16PCA2MC03- OBJECT-ORIENTED SOFTWARE ENGINEERING

Date: 21-04-2018
Time: 01:00-04:00

Dept. No.

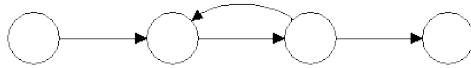
Max. : 100 Marks

PART-A

Answer ALL the questions

10*2=20

1. Software Engineering is a layered technology – Justify.
2. Mention the process flows.
3. What is aggregation?
4. What are the components of a textual use case description?
5. Name the types of objects used in analysis.
6. Mention the reasons for moving to construction phase.
7. Bring out the five steps in Fagan's inspection method.
8. What are the basic attributes of a test case?
9. Mention the different kinds of reviews in SQA.
10. What is the McCabe cyclomatic complexity of the following diagram.



PART-B

Answer ALL the questions

5*8=40

11. a) Give explanation on object oriented analysis.
(or)
b) What is agile software development? Explain the agile manifesto.
12. a) Explain state chart diagram.
(or)
b) Explain the textual description of a use case.
13. a) a) Explain traceability in SDLC deriving an example with respect to C++.
(or)
b) Describe the criteria for ODBMS.
14. a) Elucidate the types of performance testing.
(or)
b) Describe managing testing.

15. Explain special roles taken up by people in a project.

(or)

b) Give an explanation on software metrics.

PART-C

Answer any TWO questions

2*20=40

16. a) Describe linear process flow with a relevant process model.(10)

b) Give explanation on eXtreme programming. (10)

17) a) Elucidate activity diagram depicting home delivery of pizza.(10)

b) Describe components. (10)

18) a) Explain unit testing techniques. (10)

b) Elucidate project selection and preparation. (10)

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