LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

SECOND SEMESTER – **APRIL 2019**

CA 2805– OBJECT ORIENTED SOFTWARE ENGINEERING

Date: 09-04-2019   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

PART-A   (10 x 2=20)

Answer ALL the questions

1) What are the divisions of existing methods of system development?
2) Name the criteria based on which the objects are organized.
3) List the notations of UML.
4) What is meant by falsification and prototyping?
5) Why is construction phase required in SDLC?
6) Name the Benefits of ODBMS.
7) List the characteristics of a tester.
8) How do you increase the reliability of a software system?
9) Write down the steps to detect and manage risks.
10) Why is software configuration management required?

PART - B   (5 x 8=40)

Answer ALL the questions

11) a) Give detailed description on object oriented analysis.
    (or)
    b) Explain spiral model.
12) a) Describe interaction diagram.
    (or)
    b) Illustrate UML diagram organization.

13) a) Explain implementation environment.
    (or)
    b) Describe components.
14) a) Give a detailed description on model elements used during testing.
    (or)
    b) Elucidate documentation of testing.
15) a) Illustrate the models employed in organizing the development of a product.
    (or)
b) Give an explanation on software metrics.

PART- C   (2 x 20 = 40)

Answer ANY TWO questions

16) a) Explain system development as a process of change. (10)
    b) Explain class diagram with associations. (10)
17) Explain the following:
    a) State chart diagram. (10)
    b) Block design. (10)
18) Elucidate the following:
    a) Integration testing.(10)
    b) Special roles of people in software development team. (10)

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