LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIFTH SEMESTER – **APRIL 2016**

CA 5505 – SOFTWARE ENGINEERING

Date: 29-04-2016   Dept. No. [   ]   Max. : 100 Marks
Time: 09:00-12:00

PART - A

Answer ALL Questions: **(10 x 2 = 20 marks)**

1. Write the Software Characteristics.

2. Write the 3 Management spectrum.

3. List out Product size risks.

4. What are Behavioural Models?

5. Define Cardinality.

6. What is data object?

7. What is Cohesion?

8. What is the objective of Architectural design?

9. Define Reliability.

10. Write down the benefits of Structural partitioning.

PART-B

Answer ALL of the following.   **(5x8=40 marks)**

11. a. Define Software Engineering. Explain about the different types of application.

                    (OR)

    b. Explain Function oriented metrics.

12. a. Explain about COCOMO model?
                    (OR)
    b. Explain about prototyping methods and Tools specification.

13. a. Explain about ERD and DFD.

                    (OR)

    b. Explain the classical analysis methods.

14. a. Explain about Software Quality Concepts.

                    (OR)
    b) Briefly explain about effective modular design.

15. a. Explain about Black box testing.
                    (OR)
    b. Explain Software Quality.

PART - C

Answer any TWO of the following (2x20=40 Marks)

16. a. Discuss the different types of Software process model.

    b. What is decomposition technique? Explain.

17. a. Discuss about the different types of Risks

    b. Explain about Version Control and SCM standards

18. a) Explain various Debugging method in detail.

    b) Explain about change Control.

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