LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

FIFTH SEMESTER – **APRIL 2023**

CS 5505/CA 5505 – SOFTWARE ENGINEERING

Date: 29-04-2023	Dept. No.		Max. : 100 Marks
Time: 01:00 PM - 04:00 PM			

PART – A   (10x 2 = 20 Marks)

Q. No Answer ALL the questions

1   Define the term: Software engineering.
2   What is software project management?
3   List out the four risk components.
4   What is SCM? Mention the use of it.
5   What is the difference between data objects and attributes?
6   What is ERD? Mention the use of it
7   What is abstraction?
8   What is coupling?
9   What is software testing?
10   Write any two differences between white and black box testing

PART – B   (5 x 8 = 40 Marks)

Answer ALL the questions

11.   a).Write a short note on different types of myths in software engineering
                     (or)
       b).Draw and explain Fishbone diagram for software metrics.

12.   a). Write short notes on software risk.
                     (or)
       b). Explain about various prototyping methods and tools

13.   a).Explain about cardinality and modality.
                     (or)
       b).Write short notes on DSSD

14.   a) Write short notes on design and software quality.
                     (or)
       b).Explain about the design principles of software engineering.

15.   a) Write a short note on software testing fundamentals.
                     (or)
       b) Explain about the debugging process.

PART – C   (2 x 20 = 40 Marks)

Answer any TWO questions

16.   a).Explain in detail about Waterfall model.

       b).Discuss in detail about software configuration management.

17.   a) Explain in detail about elements of analysis model with a neat diagram.

       b). Discuss in detail about different types of cohesion.

18.   a) Explain about different types of testing method in detail.

       b) Explain in detail about McCall's quality factor with a neat diagram.

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