LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – **NOVEMBER 2018**

16UCS5MC04/ CS 5505 – SOFTWARE ENGINEERING

Date: 30-10-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

Part-A

Answer all the questions: **10x2=20 Marks**

1. What is software Engineering?

2. What are the fundamental activities of a software process?

3. Write any two advantages of prototyping model

4. What is software risk?

5. Define Cardinality

6. What is meant by DFD?

7. What is Functional Dependency?

8. What is Abstraction?

9. Define software Testing

10. What is Beta Testing?

Part-B

Answer all questions: **5x8=40 Marks**

11. a) Explain the iterative waterfall model for software life cycle

          (or)

   b) Write in detail about software myths

12. a)Write short notes on software prototyping

          (or)

   b) Explain about software requirement specification.

13. a)Explain SADT

          (or)

   b) Explain about DFD and its notations with an example

14. a)Explain Coupling and its types

(or)

   b) Write brief note on Design Concepts

15. a) Explain in detail about Debugging.

(or)

b) Describe the principles of testing

Part-C

Answer any two questions: **2x20=40 Marks**

16. a)Discuss in detail about software project planning

   b) Give a brief note on software Risk.

17. a)Write in detail about the concepts of data modelling.

   b) Discuss about coupling and its types

18 .a) Discuss about White –Box testing.

   b)Explain in detail about software metrics.

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