



# AJEENKYA

## D Y PATIL UNIVERSITY

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### End Term Examinations (December 2018)

**School:** School of Information Technology      **Program:** B.Tech - CTIS / MACT

**Course:** System Analysis and Design      **Course Code:** CSC242

**Semester:** III

**Max Marks:** 30

**Duration (mins):** 60

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Note- 1. Figures to the right indicates full marks.

2. Attempt any three questions.

- Q1) a) Explain Software Development Life Cycle(SDLC) in detail with suitable diagram. (5)  
b) Explain the Spiral Model of SDLC in detail with diagram. (5)
- Q2) a) What is Data Flow Diagram (DFD)? Draw DFD for Library Management System (4)  
b) Define SRS? Prepare SRS for any one computerized system / software / application (6)
- Q3) a) What is User Interface Design? (2)  
b) Define requirement analysis. (2)  
c) Explain fundamental principles or rules for good quality software design (6)
- Q4) a) Explain Taxonomy of software testing in detail (4)  
b) List the type of software testing. Explain Black Box and White Box testing in detail (6)
- Q5) a) What is CASE tool? (2)  
b) Explain COCOMO model with example in detail. (8)