

Code: 17F00304

MCA III Semester Supplementary Examinations May 2019

**SOFTWARE ENGINEERING**

(For 2017 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer all the questions

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- 1 (a) Is software engineering applicable when WebApps are built? If so, how might it be modified to accommodate the unique characteristics of the WebApps?  
(b) Discuss various software myths.

**OR**

- 2 List and explain all Agile process models proposed and used across the industry.

- 3 (a) What is requirements elicitation? Explain different approaches to specify a preliminary set of solution requirements.  
(b) Explain requirements modeling strategies.

**OR**

- 4 (a) Explain data modeling concepts with suitable examples.  
(b) Explain class based component design.

- 5 (a) Describe software architecture in your own words.  
(b) Why is “chunking” important during the component level design review process?

**OR**

- 6 How do the data flow diagrams are mapped into software architecture? Illustrate set of design steps considering the “SelfHome” security function.

- 7 Elaborate golden rules to form the basis for a set of user interface design principles.

**OR**

- 8 (a) Briefly explain about user interface design.  
(b) Explain interface design workflow for WebApps.

- 9 (a) Explain test strategies for object oriented software.  
(b) Explain boundary value analysis with an example.

**OR**

- 10 (a) Explain test strategies for WebApps.  
(b) Explain a strategic approach to software testing.

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