

Code No: G0505/R13

M. Tech. I Semester Supplementary Examinations, January-2017

**SOFTWARE ENGINEERING**

(Computer Science &amp; Engineering)

Time: 3 hours

Max. Marks: 60

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*Answer any FIVE Questions*  
*All Questions Carry Equal Marks*

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1. a Define Software Engineering and Discuss the evolving role of software. [6M]  
b Compare and contrast Hardware with Software. [6M]
2. a Categorize the software process models based on their features. [6M]  
b Discuss Agile programming features in detail. [6M]
3. a Represent the functional specification of a railway reservation system with a neat sketch. [6M]  
b Discuss Risk management and planning with examples. [6M]
4. a Discuss any three design concepts in software design. [6M]  
b Explain different architecture styles with suitable diagrams. [6M]
5. a Explain Black box testing in detail. [6M]  
b Discuss the managing issues of evolving code of software. [6M]
6. a Differentiate Waterfall model from Iterative development model. [6M]  
b Write short notes on Project scheduling and Staffing. [6M]
7. a Give any three metrics to evaluate software. [6M]  
b Explain Unit and Integration testing methods. [6M]
8. a Discuss various software myths. [6M]  
b Identify the position of documentation step in software engineering steps and give the metrics for documentation. [6M]

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