

Code: 9D25103

M.Tech I Semester Supplementary Examinations August 2016

**SOFTWARE REQUIREMENTS & ESTIMATION**

(Software Engineering)

(For students admitted in 2012, 2013, 2014 & 2015 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 Discuss in detail about good practices for requirement engineering.
- 2 (a) Discuss how risk reduction can be done by prototyping.  
(b) Discuss how to verify the requirements quality.
- 3 (a) Explain about change management process.  
(b) Discuss about requirements attributes.
- 4 (a) What is a class diagram? Discuss its significance.  
(b) Discuss about state transition diagrams.
- 5 What is meant by software estimation? Discuss clearly the key project factors that influence the estimation.
- 6 (a) What is meant by full function points?  
(b) Discuss the conversion between size measures.
- 7 Discuss in detail the approaches to effort and schedule estimation.
- 8 Write short notes on the following:
  - (a) Caliber-RM.
  - (b) SLIM.
  - (c) Problem frames.
  - (d) Requirements analysis documentation.

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