

**Code: 9D08104**

M.Tech I Semester Regular & Supplementary Examinations February 2016

**PROTOCOL SOFTWARE ENGINEERING**

(Computer Networks)

(For students admitted in 2011, 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 Explain the functions of each layer in TCP/IP suite.
- 2 (a) Describe about communication service specifications  
(b) Explain about formal specification in the software process.
- 3 Explain about different distributed systems architectures.
- 4 Describe various abstract syntax notations.
- 5 Define SDL and explain SDL based protocol specifications with examples.
- 6 (a) Describe SDL based protocol verification.  
(b) Explain SDL based tools for conformance testing.
- 7 Explain about protocol implementation process.
- 8 Define abstract test method and discuss about PICS and PIXIT for OSINET.

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