



**Code: 9D08104**

M.Tech I Semester Regular & Supplementary Examinations January/February 2017

**PROTOCOL SOFTWARE ENGINEERING**

(Computer Networks)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) What are the benefits of using the TCP/IP protocol suite?  
(b) Describe the network services and interfaces.
- 2 (a) Illustrate about subsystem interface specification.  
(b) Explain components of protocol to be specified.
- 3 (a) Describe about client-server architecture.  
(b) Explain about reference architectures with examples.
- 4 Describe the following:  
(a) Protocols specified in ASN.  
(b) Basic encoding rules.  
(c) Packed encoding rules.
- 5 Define SDL and explain the salient features of SDL specification with examples.
- 6 (a) Describe conformance test architectures.  
(b) Explain SDL based conformance testing's of MPLS.
- 7 (a) Write short notes on protocol performance testing.  
(b) Describe about SDL based interoperability testing of CSMA/CD.
- 8 (a) Discuss about various abstract test models.  
(b) Explain about PICS and PIXIT for OSINET.

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