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Question Paper Code: 95Q07

Ph.D. COURSE WORK EXAMINATION, NOV 2019

Elective

Communication Systems

19PCM507 - COMMUNICATION PROTOCOL ENGINEERING

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Explain in detail about SDL protocol. CO1- U (20)
Or
(b) Explain the Components of HDLC protocol and give its specification by using finite state machine. CO1- U (20)
2. (a) Explain with a simple two process communication system, dead locks and unspecified receptions. CO2-U (20)
Or
(b) Discuss Protocol verification in detail CO2-U (20)
3. (a) Explain the different method of conformance testing architecture with an example CO3- U (20)
Or
(b) Explain the test generation by using SDL. CO3-U (20)
4. (a) Explain the protocol Synthesis and net synthesis in detail CO4- U (20)
Or
(b) Explain the interactive and automatic synthesis methods. CO4- U (20)
5. (a) Discuss the challenges involved in developing a successful IOT application CO5-U (20)
Or
(b) Discuss in detail about SMQT and COAP. Compare the two protocols and justify the best protocol that can be used in the network communication CO5-U (20)

