

COMPUTER NETWORKS – II

Written by Administrator
Sunday, 08 November 2009 11:10 -

Subject Code

: **06CS64**

IA Marks

: 25

No. of Lecture Hours/Week

: 04

Exam Hours

: 03

Total No. of Lecture Hours

: 52

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7 Hours

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PART - B

Unit - 5

Network Management, Security: Network management overview; SNMP; Structure of Management information; MIB; Remote network monitoring. Security and cryptographic algorithms; Security protocols; Cryptographic algorithms.

6 Hours

unit - 6

QoS, Resource Allocation, VPNs, Tunneling, Overlay Networks: Overview of QoS; Integrated services QoS; Differentiated services QoS; Resource allocation. Virtual Private Networks; Multiprotocol Label switching; Overlay networks.

7Hours

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unit - 7

Compression of Digital Voice and Video, VoIP, Multimedia Networking: Overview of data compression; Digital voice and compression; Still images and JPEG compression; Moving images and MPEG compression; Limits of compression with loss; Compression methods without loss; Case Study: FAX compression for transmission. Overview of IP telephony; VoIP signaling protocols; Real-Time media transport protocols; Distributed multimedia networking; SCTP.

7 Hours

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unit - 8

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2 **Data and Computer Communication** - William Stallings, 8th Edition, Pearson Education, 2007.

3 **Computer Networks – A Systems Approach** - Larry L. Peterson and Bruce S. David, 4th Edition, Elsevier, 2007.

4 **Introduction to Data Communications and Networking** - Wayne Tomasi, Pearson Education, 2005.