0401735 COMPUTER NETWORKS AND DATA TRANSFFER Prerequisites:

department approval Description Data communication and network, Basics of data communication. Transmission: Multiplexing principles, framing and synchronization, justification, synchronous digital hierarchy (SDH), advantages of SDH, transmission media. Data Networks: X25, ISDN, Ethernet, FDDI, DQDB, mappings to OSI model, broadband ISDN, principles and architecture of ATM, recent advances in networking. Internetworking: Requirements, gateways and routing, internet protocol stack, function of the IP protocol, IP address structures, applications.