UNIVERSITY OF WASHINGTON

INFO 341 *(Networks & Distributed Applications)*

Midterm Exam Review - Fall Quarter 2016

Divestiture: background/origin of Divestiture decision, outcome,
   impact of Divestiture on you the customer
Telecomm Terms – LEC, CLEC, LATA, IXC etc
What is the OSI reference model and its relevance in networking ?
Point to Point vs Multipoint (adv/disadv)
Satellite/microwave/fiber/cable/wireless as a transport media (adv/disadv)
Tools to troubleshoot fiber optic connections/connectivity.
Primary functions of a data link protocol ?
What is Flow control ?
What is a fiber power meter ? How used ?
What is PoE (Power over Ethernet), important? related to other dependencies ?
Distinguish LANs from other types of networks ?
LAN contention (access) methods:
Why is cabling selection critical in implementing LANs ?
Describe MAC (Layer 2)addresses
Distinguish Ethernet DIX V2.0 and 802.3.
What is the significance of the Ether V2 type field ?
What function is provided by a network router ?
What is multiplexing – what benefit does it provide.
How is multiplexing critical in terms of long term network
        directions and purchase decisions
What is protocol analysis – how did Wireshark lab help your
    understanding of protocols ?
Describe network topologies (associated adv/disadv)
What is meant by protocol layering ?
Why is HDLC protocol important to understand ? Where is it used ?
TCP/IP protocol, *IP addressing, ARIN, IETF, RFC's, applications/ports*
TCP vs UDP (when would I worry about ?) Related to any other course concept ?
TCP/IP User Application Protocols, FTP, Telnet, SMTP, SNMP, DNS, DHCP
IP address classes, subnetting, subnet masking
MAC layer protocols (understanding LAN traces)