Cheatography

Computer Communiation Exam1 Cheat Sheet by Sywise98 via cheatography.com/116841/cs/21786/

| Protocols | | Stacks | |
|---|---|---|---------------------------|
| define format, order of messages sent and received among network entities, and actions taken on message transmission, receipt | | IP | apı tra net iFi) |
| network structure | | ISO/OSI | apı inti |
| access | TDM = time | | net |
| networks, division multip- physical lexing time divid | division multip- lexing time divided | TCP / UD | P |
| media:wired, wireless commun- ication links | into frames fixed duration fixed number time slots | transmission of protocol | |
| network core: •interconnected routers•network of networks | | reliable transp flow control, congestion col DNP(timing, minimum throughput | |
| FDM = frequency division multip- lexing: diff CHs transmitted in diff frequency bands | | | |
| Equations | | | |
| Equations | | guarantee security), | |
| Equations 4 Sources of packet delays | dnodal = dproc + dqueue + dtrans +dprop | 0 | conr |
| 4 Sources of packet delays dproc : nodal processing, check bit errors, determine | dqueue + dtrans | security), | conr |
| 4 Sources of packet delays dproc : nodal processing, check bit errors, | dqueue + dtrans +dprop dqueue: queueing delay, time waiting at output link for transmission, depends on | security), | conr |
| 4 Sources of packet delays dproc : nodal processing, check bit errors, determine output link dtrans: how long it takes to get | dqueue + dtrans +dprop dqueue: queueing delay, time waiting at output link for transmission, depends on congestion of router | security), | conr |

| Stacks | | | | |
|---|---|--|--|--|
| IP | application(http), transport(TCP), network(IP), link(W- iFi), physical(bits) | | | |
| ISO/OSI | app, session(checkpo- inting), transport, network, link, physical | | | |
| TCP / UDP | | | | |
| transmiss protocol | ion control | user datagram protocol | | |
| reliable transport, flow control, congestion control, DNP(timing, minimum throughput guarantee, security), connectio- n-oriented | | unreliable data transfer, DNP | | |
| | | 1 IP & 1 port | | |
| | | streaming, DNS (domain name | | |

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system)

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