

Midterm Exam CS582, AAMU FA21- (100, 20 POINTS EACH)

1 - Differentiate between WANs and LANs?

2- Express the following in the simplest form you can:

a) $2\sin(2\pi ft - \pi) + \sin(2\pi ft + \pi)$

b) $2\sin(2\pi ft) + 2\sin(2\pi ft - \pi)$

3 - Find the amplitude, frequency, and phase for the signal $(100 \sin(8\pi ft + 2\pi))$

4- Why does the TCP header have a header length field while the UDP header does not? And what is the difference between UDP and TCP?

5- What tasks are performed by the transport layer?