(VIII). Cellular Networks:

    (1) What is the multiplexing scheme used in AMPS?

    (2) What is the multiplexing scheme used in GSM?

    (3) Which international organization specifies **requirements** for 4G/5G cellular systems?

    (4) What are the data rate requirements for 4G system?

    (5) What are the two key physical-layer technologies used in 4G systems?

    (6) What are the data rate requirements for 5G systems?

(IX). Use Wireshark to capture dns packets.

    (1) Use your initial to create a string, then add ".com" to the string and visit the corresponding website. (For example, the initial of Prof. Kejie Lu is kl, so he shall visit a website: `kl.com`.) Write your website URL below:

    (2) In the DNS query packet, what are the **three** protocols for the application layer, the transport layer, and the network layer?

    (3) Attach a screen shot to show the details of the dns answer, in which the website you visit and the details of the answer must be clearly shown.