COMP435 In-Class Practice 11/17/25 Name: _____

Question 1: Viewing Certificates Browse to https://cs.unc.edu and view the certificate chain in your browser. Who issued the certificate for cs.unc.edu? Who is intermediate certificate authority? Who is the trust anchor?

Question 2: Certificate Chains The signature shown in certificate (1) in the blow figure is created using the (public/private) key of which entity?

Question 3: Web Browsing and Certificates Answer the following questions given the certificate chain shown in the figure below.

3.1. The user must have been browsing to:

- ◯ www.amazon.com
- ◯ ca.g2.digicertglobal.com
- ◯ root.g2.digicertglobal.com
- ◯ cannot be determined from the information given

3.2. In order to verify this certificate chain, the user's browser must already know

- ◯ www.amazon.com's public key
- ◯ DigiCert Global CA G2's public key
- ◯ DigiCert Global Root G2's public key
- ◯ The browser does not need any additonal info.

3.3. Who is the trust anchor in this certificate chain?

- ◯ www.amazon.com
- ◯ DigiCert Global CA G2
- ◯ DigiCert Global Root G2
- ◯ RSA, 2048, 65537