Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

CSE 4101: Computer Networks, 4th Year 1st Semester, Fall 2021

Time: 25 minutes Full Marks: 10

Quiz #2 (Set-Iron Islands)

**ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 1. | Suppose Alice, with a Web-based e-mail account (such as gmail), sends a message to Bob, who accesses his mail from his mail server using POP3. Describe how the message gets from Alice’s host to Bob’s host with appropriate figure.  [Be sure to list the series of application-layer protocols that are used to move the message between the two hosts.] | [4] |

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| 2. | Suppose you wanted to do a transaction from a remote client to a server as fast as possible. Would you use UDP or TCP? Why? | [2] |

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| 3. | Does a DNS use TCP or UDP and Why? Why do we not use a centralized DNS?. | [2] |

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| 4. | What are two connections used in FTP? What are their usages? What underlying transport layer protocol will be used for downloading file from FTP server. | [2] |