Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

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

Time: 20 minutes Full Marks: 10

Quiz #3 (Set-Iron Islands)

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

| 1. | Consider the following network where network topology, link costs are known to all nodes. With the indicated link costs, use an applicable algorithm to compute the forwarding table of router t. If a packet arrives at t which is destined to z, in which link it will forward the packet? Is it necessary to compute the forwarding table in all routers? Justify your answer with the help of this given example. | [10] |
| --- | --- | --- |

