	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Computer Science)	Semester:	Fall 2023
	Duration:	15 minutes	Total Marks:	15
	Paper Date:	28-November-2023	Section	5J
	Exam Type:	Quiz 5 - Chapter 5	Page(s):	2

Student Name   **Roll No.**   **Section:**

Key:
Provider network
Customer network
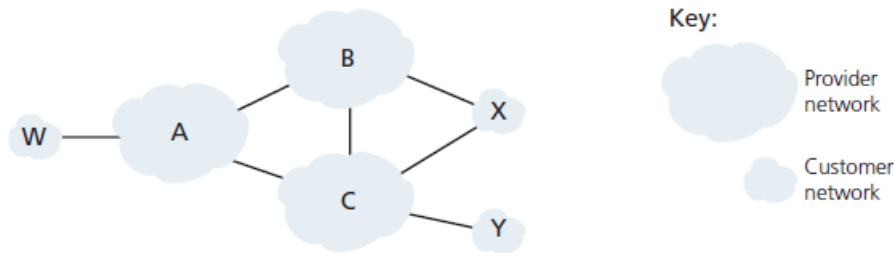
Q1. In Figure above, suppose that there is another stub network V that is a customer of ISP A. Suppose that B and C have a peering relationship, and A is a customer of both B and C. Suppose that A would like to have the traffic destined to W to come from B only, and the traffic destined to V from either B or C. How should A advertise its routes to B and C? What AS routes does C receive? **[5 Marks] [CLO 3]**
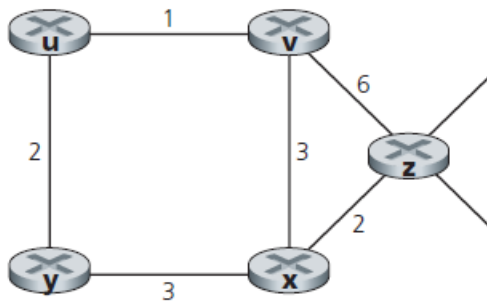
Q2. Consider the network shown below, and assume that each node initially knows the costs to each of its neighbors. Consider the distance-vector algorithm and show the distance table entries at node z. **[10 Marks] [CLO 3]**