National University of Computer and Emerging Sciences, Lahore Campus

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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	5K
Exam Type:	Quiz 5 - Chapter 5	Page(s):	2

Student Name   **Roll No.**   **Section:**
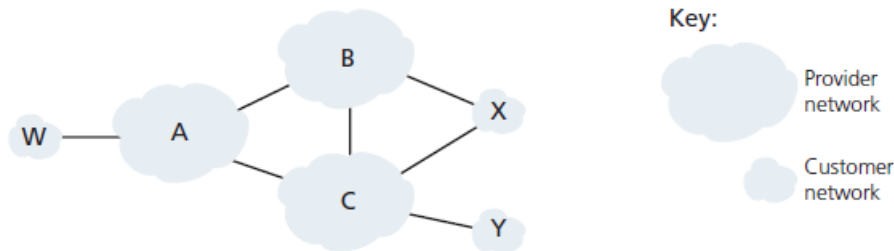
Q1. In Figure above, consider the path information that reaches stub networks W, X, and Y. Based on the information available at W and X, what are their respective views of the network topology? Justify your answer. The topology view at Y is shown below. **[5 Marks] [CLO 3]**
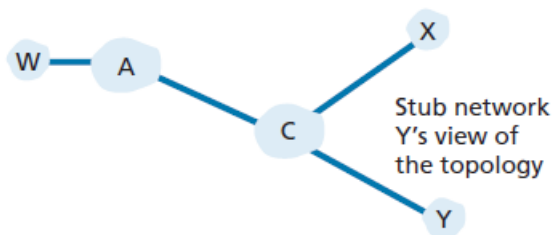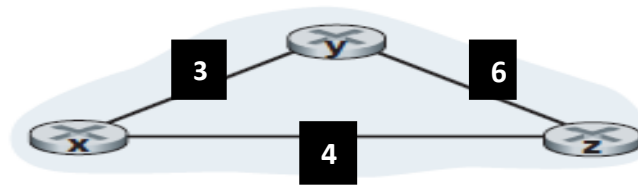
Q2. Compute the distance tables for x, y and z after the initialization step and after each iteration of a synchronous version of the distance-vector algorithm. **[10 Marks] [CLO 3]**