


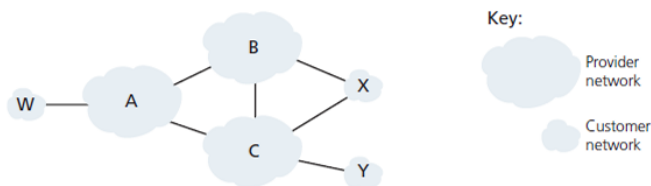
**National University of Computer and Emerging Sciences, Lahore
Campus**

	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Software Engineering)	Semester:	Spring 2025
	Duration:	15 minutes	Total Marks:	15
	Paper Date:	29-April-2025	Section	6C
	Exam Type:	Quiz 5 - Chapter 5	Page(s):	2

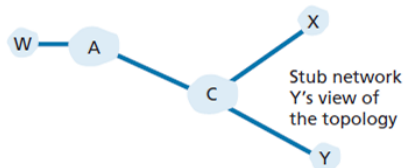
Student Name

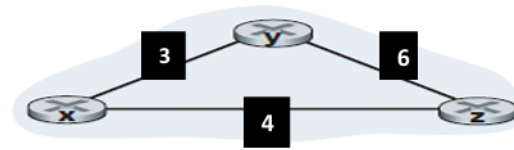
Roll No.

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]**