National University of Computer and Emerging Sciences Lahore Campus

Computer Networks (CS3001)

Date: December 03, 2024

Course Instructor

Ms. Saba Tariq

1 Solution

Roll No

Section

Quiz 4(b)

Total Time (min): 20
Total Marks: 20

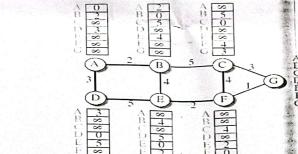
Total Questions: 2

Student Signature

Do not write below this line

Attempt all the questions.

Q1: Update the distance vectors of C and D router in first iteration (t=1) for the following network.



Updating Router

updating router D

A: $5 + \lambda = 7$

R. 5

C: 0

0:0

E: 6

F: 4

G: 3 Spring 2024 A: 3

B: F

C: 00

D: O

E: 5

F: 7

Department of Computer Science

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Q2: Update the Link State Database for C and D router in above network using Dijkstra Algorithm.

Router C:

Router D:

		A
5		00
A	1 10 10 10	3
B)	
E		
F		
Сп	4	

E	£	C_{7}
8	80	0
5	8	0
5	8	Ø
15	⊗	80
	17	80
		18