

National University of Computer and Emerging Sciences, Lahore Campus Quiz5 [BS(CS): Section D] Fall 2023

Computer Networks (Code: CS3001)

Quiz Date: Novemer 23, 2023

Total Marks: 15

[CLO 3]

Duration: 25 - Minutes

Name -	Roll # Section	
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Q1: What does BGP stand for? Explain the primary purpose of BGP in networking.

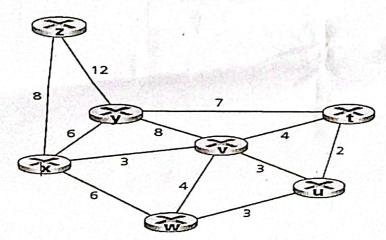
[0.5+1.5=2]

Q 2: What is the difference between eBGP and iBGP?

[2]

Q3: Consider the following network. With the indicated link costs, use Dijkstra's shortest-path algorithm to compute the shortest path from z to all network nodes. Show the working of the algorithm in the form of a tabular summary for all iterations (i.e., distance and predecessor for all network nodes during each iteration). Moreover, provide the least-cost-path tree from node z and resulting forwarding table in z.

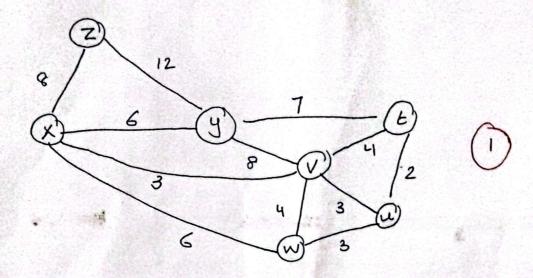
[7+2+2=11]



Start writing your answers from here onwards. Yu can use backside of this sheet if needed.

Q. 1 Am. BGP stands for Border Grateway Protocol. The primary purpose of BGP in networking is to retwork is is that it is inter-domain routing protocol which allows sub nets to broadcast itself and to where it can reach to the Interest.

e BGIP is extend BGIR school that it received how nearby how network reachability from retail and nearby at autonomous systems. i BGIP is that it broadcasts the reachability data to all the autonomous internal routers. Q. 2 Sue.



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