



A?

Examination

Kurssi: E7310 Routing and SDN / Period II -2018
E7310 Routing and SDN / Periodi II-2018
Opettaja: Prof. Raimo Kantola
Pvm: 25.02. 2019

Vastaa tiiviisti neljään (4) kysymykseen. Kirjoita spesifisesti, mikäli mahdollista. Voit vastata suomeksi tai englanniksi. You may answer in English or in Finnish. Give compact answers to four (4) questions. Be specific, if you can.

1. Kysymys/Question

Create a 4-column table of different metrics that can be used in packet routing. For each metric give typical purpose or use case(s), advantages and drawbacks.

2. Kysymys/Question

Describe alternative methods of link failure detection in interior routing. How do the methods relate to convergence time?

3. Kysymys/Question

How does OSPF reduce flooding in highly or fully meshed networks?

4. Kysymys/Question

Compare IP routed and SDN networks when used in a public network.

5. Kysymys/Question

In graphs, define terms: degree of a node, network, self-loop, cycle, simple cycle, path, tree and spanning tree.