CNTS/TSR Exam
January 29, 2019

Mario Baldi
Politecnico di Torino
(Technical University of Turin)
http://www.mariobaldi.net
Question 1 (6 points)
- Host not communicating: -6
- VLAN ID: -3
  - Different from 2 VLAN IDs: -4
  - VLAN ID=0: -2
- Wrong IP or MAC address: -2
  - Switch MAC: -3
Question 2 (6 points)

- 1 label to private destinations: -3
- 2 labels to public destinations: -3
- Same label for 2 LSPs: -3
- Label to CE: -2
- Swapping of inner label: -3
- No label swapping: 1
- 1 label on first hop and additional label on second hop: -2
Question 3 (10 points)

- Same prefix on different links: -4
  - Mistake in counting 64 bits: -2
- Link local addresses: -5
- Site local/private addresses: -2
- No neighbor discovery: -4
  - Motivated: -2/-3
- Neighbor solicitation to all hosts: -2
- Neighbor solicitation in unicast: -4
- Wrong SNMA -2
  - From MAC address: -3
Question 3

- No/wrong MAC multicast address: -2
  - From MAC address: -3
- Direct delivery (without router): -4
- Router as IPsource/IPdest: -4
- MAC from wrong router interface: -2
- Router solicitation to SNMA: -2
- No MAC addresses: -4
- Prefix length in source or dest addr: -2
- Packets on all links: -1
- Less than 6 packets: -2
Question 4 (10 points)

- Client with 2 addresses: -3
- Client address not corporate: -2
  - Private: -1
  - Private with motivation: ok
- (2) not tunnelled: -3
- (3) tunnelled: -3
- (4) tunnelled: -2
Question 4

- (4) with GW address
  - (1) is public: -3
  - (1) is private and it is specified that GW address is used: -2
  - (1) is private: -1
  - (1) is private and it is explained that NAT translates the address: ok
- (1) with same prefix as A or GW: -1
- No centralized internet access: -3