

Quiz on Module 2: MPLS Labels

5 marks

Each question = 1 mark

Questions 2-5 from "Learning Assessment"

Name: _____

1. Name the four fields in a MPLS header. (Ref: Module 2, slide 10)

MPLS Label (value), EXP, Bottom-of-Stack, TTL

2. What is the bottom label in a label stack called? (Ref: Module 2, slide 7)

Service label, or Inner label, are both synonyms for Bottom label

3. True or False: The SR OS LDP implementation uses Downstream on Demand label distribution, ordered control, and liberal label retention.

(Ref: Module 2, slide 38)

False: Downstream unsolicited

4. True or False: The SR OS RSVP-TE implementation uses Downstream on Demand label distribution, ordered control, and conservative label retention.

(Ref: Module 2, slide 38)

True

5. What label distribution method requires that the iLER request and wait to receive a label from the next-hop before forwarding data downstream?

(Ref: Module 2, slide 29+35)

Downstream-on-Demand; also accepted: Ordered mode

6. [Bonus] The MPLS "Special Use" label range is starts at value 0 and ends at value 15 (Adapted from: Module 2, question 6; Ref: slide 11+42)

Special Use label range is from 0-15 (but only values 0-3 are currently defined)
1/2 mark for the range 0-31: 16-31 could be used to expand Special Use, OR it could be used for something very different from Special Use; who knows?!