

Quiz on Module 2: Label Characteristics & Operation

5 Marks total

Name: _____

1. [2 marks max; 1 per pair] Give the complimentary (opposite) term for each item in the following list:

- | | |
|-------------------------------|------------------------|
| Conservative label retention: | liberal |
| Ordered label distribution: | independent |
| Downstream on Demand: | Downstream unsolicited |
| Per-platform: | per-interface |
| Pipe mode: | uniform mode |
| Frame mode: | cell mode |

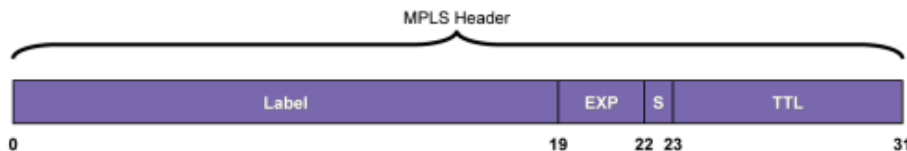
2. [1 mark] Which MPLS protocol, as implemented by Nokia's SR OS, is described by all the terms that are *given* above? (i.e. *not* a protocol described by *your* answers). NB: "none" is one possible answer.

RSVP

3. [1 mark; all-or-nothing] Give two other common names for the Top label in an MPLS label stack.

outer label; transport label

4. [1 mark; all-or-nothing] Draw a diagram of all the fields in an MPLS header (i.e. for frame mode). Ref: Module 2, slide 10



Field	Name	Size (bits)	Purpose
Label	MPLS Label	20	The MPLS label Value
EXP*	Experimental	3	QoS mapping from TOS/COS bits
S	Bottom of Stack	1	Flag to indicate bottom of MPLS stack
TTL	Time to Live	8	Packet lifetime in MPLS hops