

Quiz on MPLS & TE

5 Marks total

Name: _____

1. [3 marks] Three different hop tables are shown by the command:
`show router mpls lsp "to_Rx" path detail`
Give **clear details** about how each table gets populated, including where the info is created (i.e. head end, tail end, LSRs).

ExplicitHops? Admin configured loose/strict hops; head-end

Actual Hops? RSVP RESV messages; LSRs

ComputedHops CSPF using any constraints; head-end

2. [2 marks + 1 Bonus; whole-marks-only] Give at least 6 of the sub-types (fields) in a Opaque LSA. 1 mark per pair. Tip: there's 10 from which to choose.

Items marked with "*" are used in path selection

1. Link type (1 octet)
2. Link ID (4 octets)
3. Local interface IP address (4 octets)
4. Remote interface IP address (4 octets)
5. Traffic Engineering metric (4 octets) *
6. Maximum bandwidth (4 octets)
7. Maximum reservable bandwidth (4 octets)
8. Unreserved bandwidth (32 octets) *
9. Administrative group (4 octets) *
10. Shared Risk Link Group (SRLG) (optional) (variablelength) *