

## Quiz 5: STP

5 Marks total

Name: \_\_\_\_\_

1. [1 mark; all-or-nothing] Name the three port roles in standard STP.  
Hint: Don't be confused by Cisco's addition of RSTP roles into standard STP.

Root, designated, blocking

2. [1 mark; all-or-nothing] Name the four possible port states in standard STP."  
Hint: think about some of the states you saw in lab during STP reconvergence.

Listening, Learning, forwarding, blocking

3. [1 mark; all-or-nothing] Name three enhancements to STP which help reduce convergence time (i.e. speed up convergence). Hint: think "fast".

backbone fast, uplink fast, port fast

4. [1 mark] Give an example of a situation (or a protocol) where it's important that a port goes to "up/up" immediately.

a DHCP client timing-out before the port goes operational

5. [1 mark; all-or-nothing] There are two protections for the extra speed when a port is configured to go "up/up" immediately. Name the two types of protections. (Yes, I know: there's four different variations on behavior depending on whether they are enabled globally or locally; skip that for now.)

BPDU filter, BPDU guard