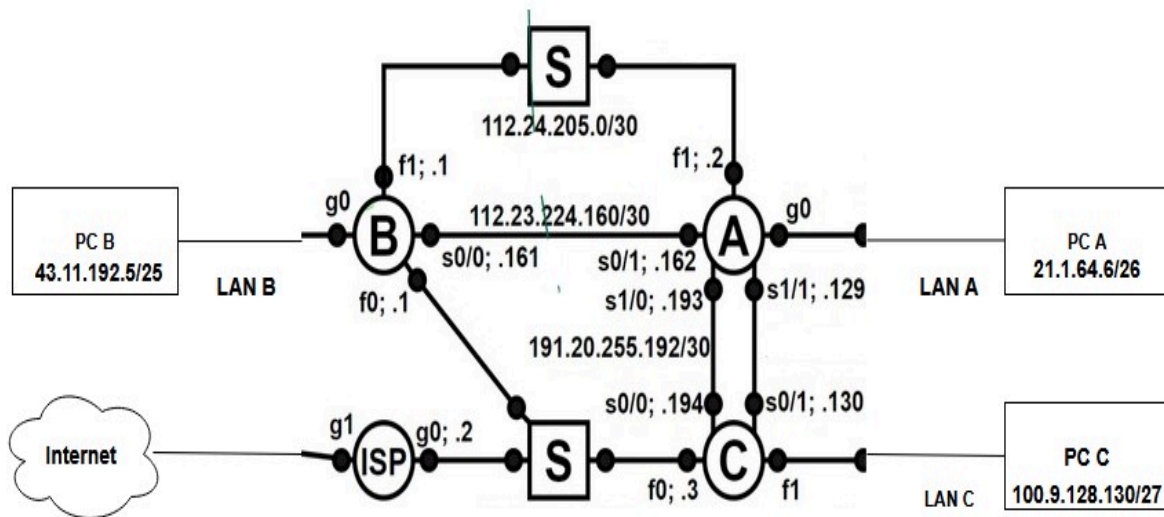


CSE421 Quiz 5

Name:

ID:

Section:



1. At least how many static routes need to be configured at Router C? [2]
2. Create a static route on Router B for LAN C via the nearest multi-access network? [3]
3. Writing the 'show ip route network 21.1.64.0' command on Router B gives the following
Output: S 21.1.64.0/26 [1/0] via 112.23.224.162
 State your reason why this way of static route is not recommended. Write how it should be changed to a more efficient static route. [3]

Assume an OSPF-like link state (on the topology mentioned in Q3) inside the four-router area {R1, R2, R3, R4}. ISPA/ISPB are external (no LSPs from them in the area unless stated).

I. All the routers are continuously sending Hello Packets even though there is no change in the topology. What is the reason behind this?

[2]

II. Suddenly, the R3 router has been turned off. Identify which routers will change their LSP packets, and which networks' information will be omitted from R1's routing Table.

[4]

1 mark is bonus if all the questions are answered