

Static Routing Configuration with Subnetting in Cisco Packet Tracer

Marks: 15
Time: 60 mins

TASKS:

Given Address Space (Site Network Address): 192.148.**ID**.0/18

- Design the following topology in Packet Tracer (**Designing: 1**).
- Subnet each of the network with the IP addresses in an optimized way and write each network information as *textual format* in your file as shown in the class (**Subnetting: 4**).
- Assign the appropriate IP addresses into each of the network devices (**Implementation of Subnetting: 4+1**).
 - Test connectivity within the networks [use *ping*, *show ip route*].
- Configure Static Routing Protocol so that all devices can communicate with each other (**Implementation of the protocol: 4+1**).
 - Test connectivity among the networks [use *ping*, *show ip route*].
 - Be ensure to save your work for each router using the command: *copy running-config startup-config*.

***** [If any copy has been found, they both will get ZERO]

Information: Here, there are 12 networks, where 6 networks have their number of hosts given.

ID of the given network address is a variable for each student where you have to replace it with **the last 3 digit of your ID**. For example, if anyone's ID is 170204114 then **ID=114**, if anyone's is 170204061 then **ID = 61**.

Host# 1000

Host# Last_3_digits_of_ID * 5

