ID: Date:

EIGRP Configuration
Given Network Address:
10.Your3DigitID.16.0/20

Host# 200

Host# 2000

Host# 500

Host# 1000
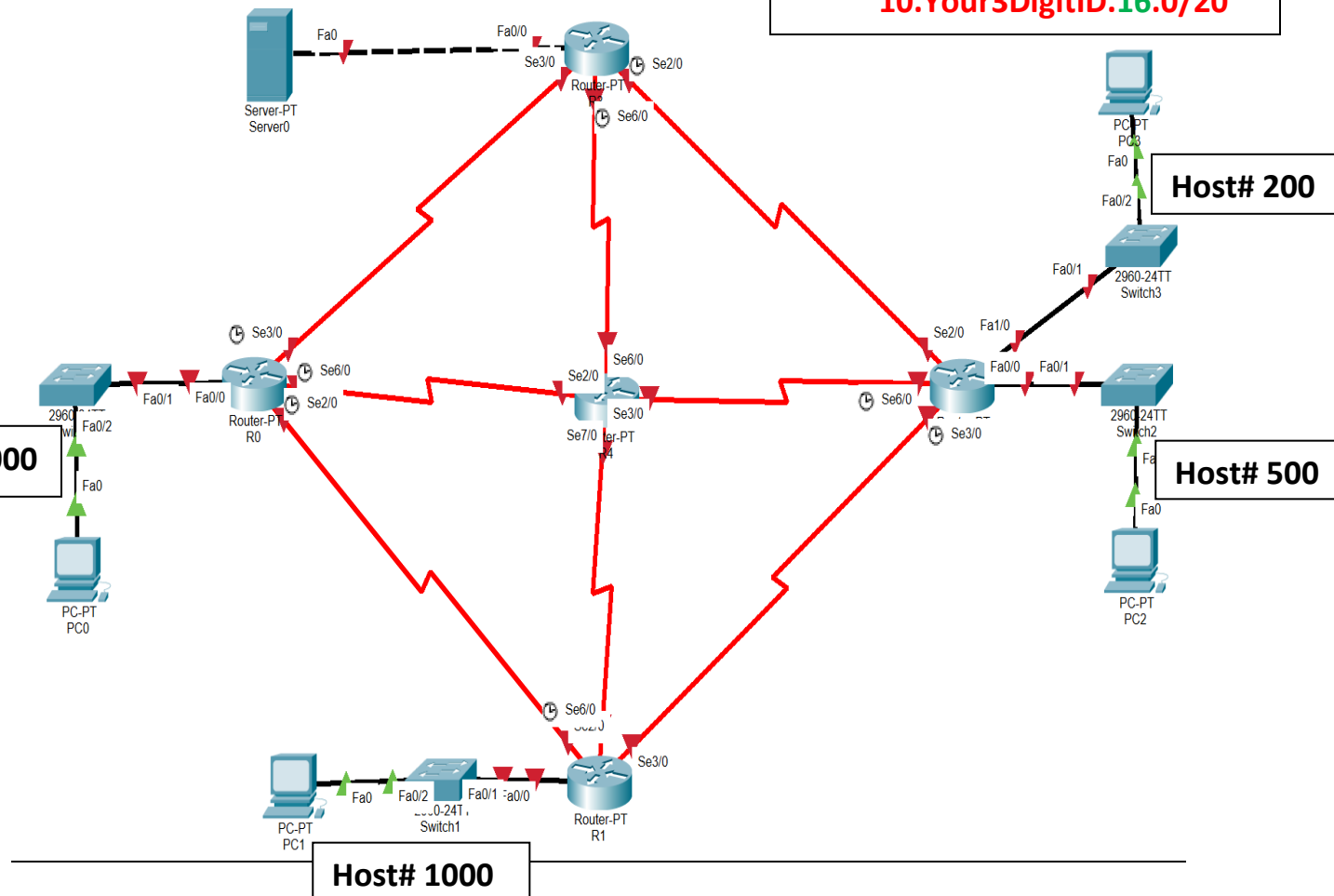
You need to do the following Tasks:

1. **Designing [1]:** Design the above network topology (where given network address 10.Your3DigitID.16.0/20 of the whole system) in the Cisco Packet Tracer tool

2. **Subnetting Implementation [3]:** Assign IP addresses to each devices with sub-netting. The top router and server are connected via *Copper Cross-over* link. [Subnetting must be optimized.]

3. **Subnetting [3]:** Write detail information beside each (sub)network like- Network-0: IP address Range, Network address, (sub)Mask address, Wildcard Mask, etc.

4. **EIGRP Implementation [5]:** Configure EIGRP protocol

5. **Changing Bandwidth [3]:** Change the Bandwidth of the **se6/0** port in the router R0 to 64 Kbit given in the above figure.
    After completing step-5, write the following information for the router R0 to the sub-network where host number is 500 in the packet tracer's top left portion as the answers:
    feasible distance (FD), reported distance (RD), Successor and feasible successor