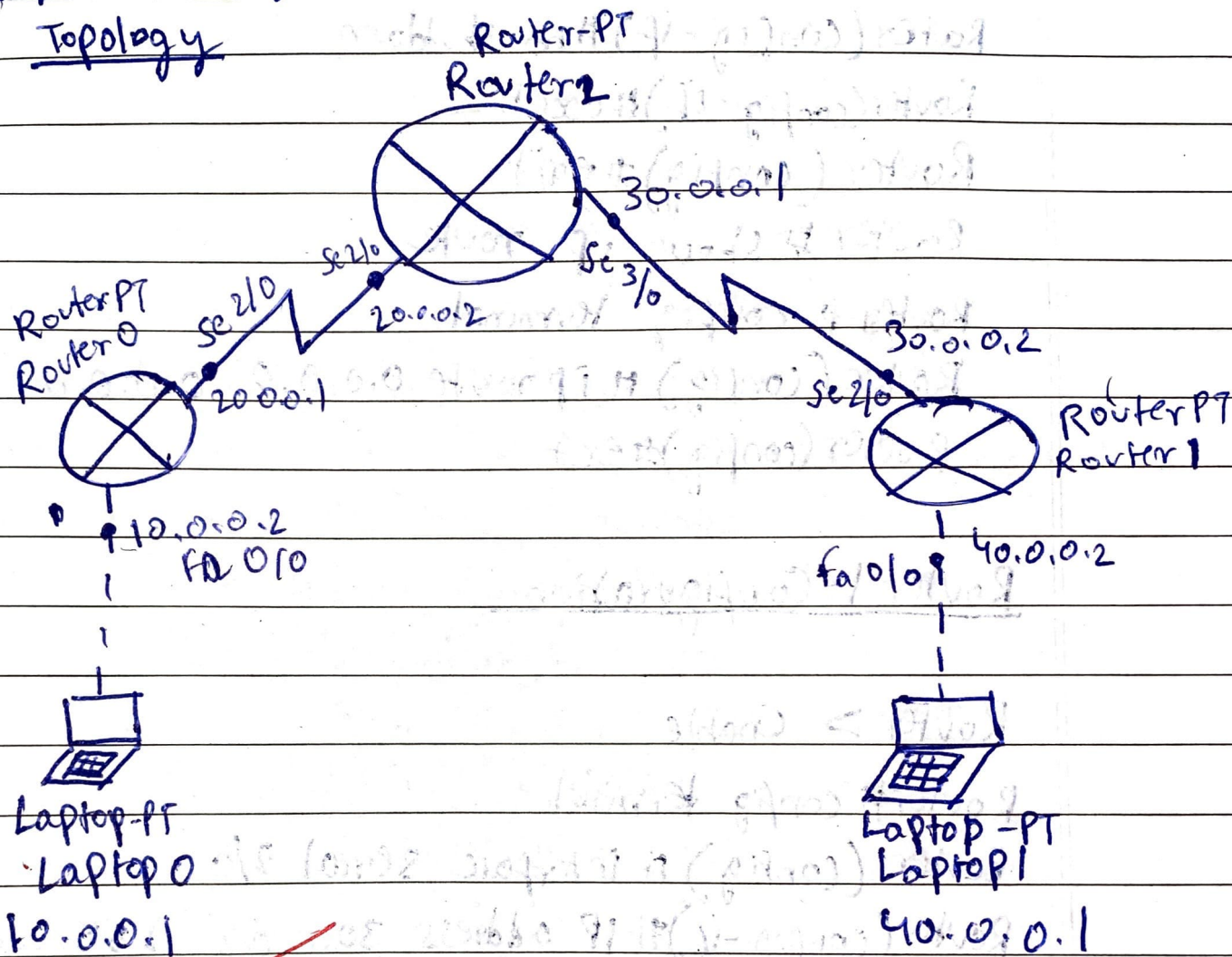


Lab 5Default Routing  
TopologyRouter 0 Configuration

```
Router> enable
```

```
Router# config terminal
```

```
Router (config)# interface fastEthernet 0/0
```

```
Router (config-if)# IP address 10.0.0.2 255.0.0.0
```

```
Router (config-if)# no shutdown
```

```
Router (config-if)# exit
```

Router(config)# interface serial 2/0

Router(config-if)# IP address 20.0.0.1 255.0.0.0

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)# exit

Router# show ip route

Router# config terminal

Router(config)# ip route 0.0.0.0 0.0.0.0 20.0.0.2

Router(config)# exit

## Router 1 Configuration

Router > Enable

Router# config terminal

Router(config)# interface serial 2/0

Router(config-if)# IP address 30.0.0.2 255.0.0.0

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)# interface fastEthernet 0/0

Router(config-if)# IP address 40.0.0.2 255.0.0.0

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)# exit

Router# show ip route

Router# config terminal



```
Router(config)# ip route 0.0.0.0 0.0.0.0 30.0.0.1  
Router(config)# exit
```

## Router 2 Configuration

```
Router>enable
```

```
Router# config terminal
```

```
Router(config)# interface serial 2/0
```

```
Router(config-if)# IP address 20.0.0.2 255.0.0.0
```

```
Router(config-if)# no shutdown
```

```
Router(config-if)# exit
```

```
Router(config)# interface serial 3/0
```

```
Router(config-if)# IP address 30.0.0.1 255.0.0.0
```

```
Router(config-if)# no shutdown
```

```
Router(config-if)# exit
```

```
Router(config)# exit
```

```
Router# show ip route
```

```
Router# config terminal
```

```
Router(config)# ip route 10.0.0.0 255.0.0.0 20.0.0.1
```

```
Router(config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2
```

```
Router(config)# exit
```

## Command Prompt

```
C:\> ping 10.0.0.1
```

Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time=15ms TTL=125

Reply from 10.0.0.1: bytes=32 time=4ms TTL=125

Reply from 10.0.0.1: bytes=32 time=11ms TTL=125

Reply from 10.0.0.1: bytes=32 time=6ms TTL=125

~~Reply from~~

ping statistics for 10.0.0.1:

Packets: sent=4, Received=4, Lost=0 (0% loss)

Approximate round trip times in milli-seconds:

Minimum=4ms, Maximum=15ms, Average=9ms

~~level~~