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Roll No: 20711073
Course: MCA
Subject Practical: CN

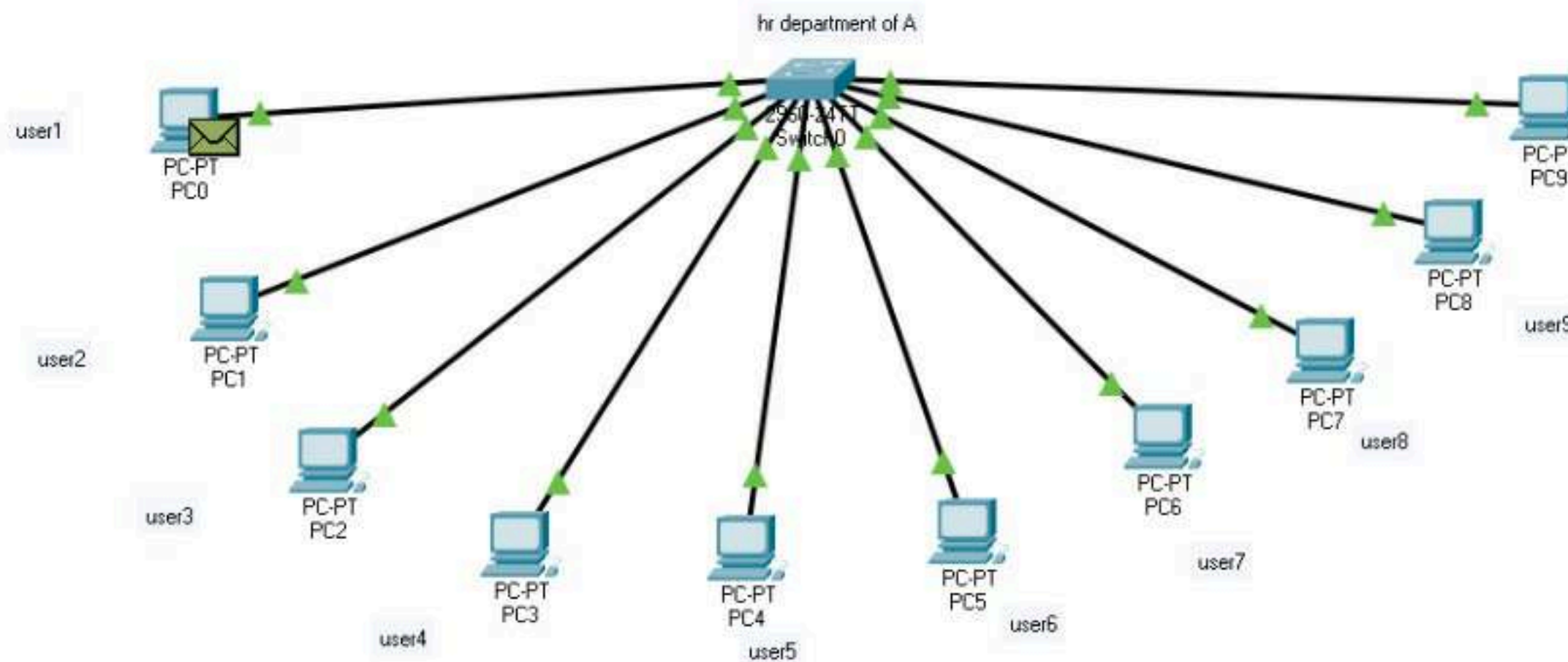Q1. PS: There is an organization A with multiple department - - -
- - - - - - - - - - and user number 5 of the network.

objective: To understand how to create a wired LAN using Packet
tracer and how to show connection of one node to
another.

Step 1: Network Design

Step 2: IP Configuration

Step 3: Connectivity checking of 1 to 5. by checking connection using
Ping command

File   Edit   Options   View   Tools   Extensions   Help

Logical   Physical   x: 843, y: 244   [Root]   08:52:30

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

PC-PT
PC4

PC5

2950
Switc

PC1

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0

IP Configuration

○ DHCP   ● Static

IP Address   198.168.1.2

Subnet Mask   255.255.255.0

Default Gateway 0.0.0.0

DNS Server   0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address   /

Link Local Address   FE80::202:4AFF:FEE5:12C9

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication   MD5

☐ Top

Time: 00:17:41   Realtime   Simulation

Copper Straight-Through

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22-06-2021

Logical   Physical   x: 1273, y: 38   [Root]   09:09:30

PC2

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0

IP Configuration

○ DHCP   ● Static

IP Address   198.168.1.3

Subnet Mask   255.255.255.0

Default Gateway   0.0.0.0

DNS Server   0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address   /

Link Local Address   FE80::2E0:F7FF:FECB:8698

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication   MD5

☐ Top

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

PC-PT
PC4

PC5

Time: 00:18:14   Realtime   Simulation

Copper Straight-Through

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