CAP276: Data Communication and Networking – Laboratory

Online Assignment-1

Note:

1. **Students can check the set assigned to them using following UMS link "UMS Navigation->LMS->Practical->Practical Upload"**
2. **Every student will strictly perform the set assigned to him/her.**
3. **Student should answer the practical question assigned to them in the format given in annexure-1.**
4. **Convert your completed response document in PDF format and then upload it through the link "UMS Navigation->LMS->Practical->Practical Upload->Select File".**

SET-A

Design a network topology with a bus backbone connected to star, ring and mesh topologies. (Note every topology must have minimum four hosts in it).

SET-B

Design a network topology with a star backbone connected to bus, ring and mesh topologies. (Note every topology must have minimum four hosts in it).

SET-C

Design a network topology with a mesh backbone connected to star, ring and bus topologies. (Note every topology must have minimum four hosts in it).

SET-D

Design a network topology with a ring backbone connected to star, bus and mesh topologies. (Note every topology must have minimum four hosts in it).

SET-E

Design a network topology with a tree backbone connected to star, ring and bus topologies. (Note every topology must have minimum four hosts in it).

Annexure-1

Answer Sheet

Online Assignement-1

Course Code:	**CAP 276**	**Course Title:**	**Data Communication and Networking-Laboratory**		
Course Instructor: Dr. Manmohan Sharma					
Student's Roll no:		**Student's Reg. no:**			
Name:					
Set Assigned (write in block):		**Page No.**		**Total Pages**	

1. Objective (Description of the practical to be performed):

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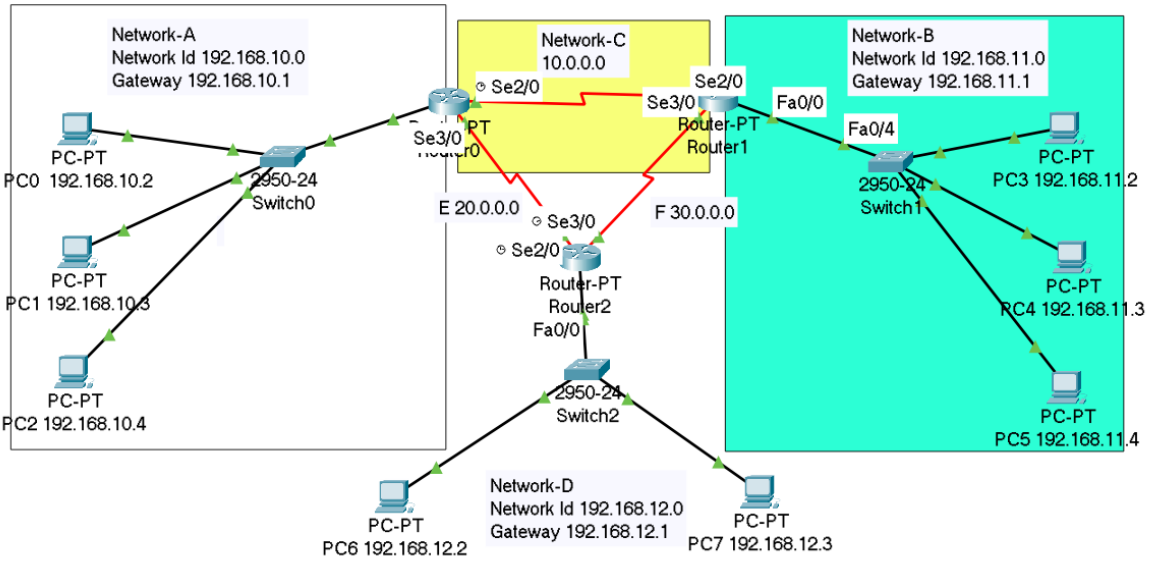
2. Network Snapshot with proper labelling:

(Sample network is pasted here)



3. Initial IP Configuration:

(Complete the table for all the devices according to the sample given)

Device	Interface	IP Configuration	Connected with
PC0	Fa0	192.168.10.2	Switch0
PC1	Fa0	192.168.10.3	Switch0
PC2	Fa0	192.168.10.4	Switch0
Switch0	Fa0/4	-----	Router0
Router0	Fa0/0	192.168.10.1	Switch0
Router0	Se2/0	10.0.0.1	Router1
Router0	Se3/0	20.0.0.1	Router2

4. Process Description:

Step-1

Step-2

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