Configure the following network using Cisco Packet Tracer and submit a report along with the packet tracer file:

**Deadline**: 1.00PM, 21-9-21

**Submission link**: https://amritavishwavidyapeetham-my.sharepoint.com/:f:/g/personal/b\_gangagowri\_cb\_amrita\_edu/Eh5llAZX77BLrXIkafl6k2UBq4RAlEYHofBcijSaShzstw

Port number

A

S1

0

0

2

1

C

3

1

2

1

0

D

B

S3

S2

The host ID will be based on your register number. Here the first three parts in IP address is up to you. The last part should reflect part of your register number as given in the above example

|  |  |
| --- | --- |
| End system | IP address(A.B.C.**D**) for  Reg no:CB.EN.U4AIE1900**5** |
| A | \_.\_.\_.**5** |
| B | \_.\_.\_.**10** |
| C | \_.\_.\_.**15** |
| D | \_.\_.\_.**20** |

Make sure that all needed communication including acknowledgement can happen.

* Nodes A, B, and C can talk to one another freely.
* Node D has access to ports 22 and 80 of Nodes A and B, but nothing else.
* Node D and Node C cannot talk to each other.

1. What are the protocols involved when message is sent from A to B
2. Explain the role of each protocol
3. Give the output of ping command when A, B and send messages to one another
4. Give the output of ping from B to D and C to D

Note: For ping command keep the screenshot in the report