



Max. Marks: 25 Marks

Important Note:

1. **DUE DATE: 02/03/2021 MUST UPLOAD SNAPS/SCANNED Form at GOOGLE CLASS before 23:50 Tuesday. And submit hard form next day.**
2. **Assignment will either have full Marks either *ZERO*, so work on it properly NO PLAGARISM else you will be responsible.**
3. **Writing should be done *with HANDS* avoid writing with foot, so I can read it at least. Neat and clean work required.**

AFTER VIVA MARKS WILL BE UPLOADED

Q1: Briefly Discuss TCP/IP Reference Model and OSI Reference Model? And Explain below points keeping both Models. **(10 MARKS)**

- What is protocol stack
- History of both Models
- Working of each Layers in Both Models?
- What was the need of these both Models?
- Real Implementation of Both TCP/IP and OSI Reference Model?
- Which Model is freely available and why?
- Differences and Similarities between these two TCP/IP and OSI Reference Models?
- Devices (Physical Devices) used in Each Model Layers.
- Basic Protocols used in Each Model layers at least 4 protocols or 3 at each layer should be briefly discussed.

Q2: Solve chapter 1 Problems mentioned below. **(10 MARKS)**

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P7

P10

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Randomly any student will be called at white board to solve any of chapter 1 book problems then marks of assignment will be given. So do best practice of all exercise questions of our text book.

Q3: Enlist below bullets with explanation: (05 MARKS)

- All access ISPs of Pakistan
- Regional ISP of Pakistan
- Tier 1 ISPs of world
- Timeline of Internet in Pakistan
- Pakistan Internet Capacity
- Pakistan's Submarine Cables name