**FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES**

KARACHI CAMPUS



Assignment 1 spring 2020

**Section B and E**

*Computer Networks* (CS 307)

**Max. Marks: 20 Marks**

***Important Note:***

1. ***Hand Written Hard Form plus take SNAPS and Upload it on Google Class Link***
2. ***Assignment will either have full Marks either ZERO, so work on it properly else you will be responsible.***
3. ***Neat and clean work required.***

**AFTER VIVA MARKS WILL BE UPLOADED**

DUE DATE: 09/02/2020 MUST UPLOAD SNAPS AT GOOGLE CLASS before 23:50 Sunday

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 discussed.

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

P6

P7

P10

P14

P18

P19

P20

P21

P25

P29

P31

P34