

**Meru University of Science and Technology**

**School of Computing and Informatics**

**Department of Computer Science**

**Course Title: DATA COMMUNICATION AND NETWORKS**

**Course Code: CIT 3152**

**PROGRAMME: BDS, BCS, BCT & BCSF 1.2**

**CAT 2/individual Assignment**

**Instructions**

**1. DUE DATE WEEK 10th week LESSON**

**2. The work to be submitted hard copy-computer printout (font size 12, 3- maximum 4 Pages)**

1. Differentiate between Code-division multiple access (CDMA) and Time-division multiple access (TDMA) digital cellular networks. (4marks)
2. Identify three reasons why IP telephony (VOIP it is gaining popularity in the Global business world? (6 marks)
3. Analyze four factors that affect negatively the quality of services (QoS ) of satellite transmission. (8 marks)
4. Define the following terms
5. GPRS (1 mark)
6. TCP over MPLS (1 marks)
7. Using a diagram describe the following broad parts of GSM architecture. ( 8 marks)
8. Mobile station
9. Base station subsystem
10. Network subsystem



**M.U.S.T IS ISO 9001:2015 CERTIFIED**