1. Provide a comprehensive definition of Mobile Computing and identify the three components of mobile computing?
2. Describe any two features / characteristics of a wireless mobile computing communication network
3. What are the important differences between a desktop computer and a portable computer like PDA?
4. Give an overview of the working of current mobile cellular phones. Briefly explain the distinguishing features of various generations of wireless cellular networks.
5. Analyze the reasons as to why a mobile handset is compact and lightweight and yet provides a large number of features such as roaming, camera, audio and video play and record, Internet browsing, etc., while the traditional landline phone handsets are bulky and provide only limited features.
6. Prepare a list of important functional differences and similarities between 1G, 2G, 3G and 4G cellular networks.
7. List out the differences between Mobile Computing and Wireless Networking.
8. Compare CSMA / CD and CSMA / CA
9. Explain the following in brief in the context of GSM networks:

a) Mobile station b) BSS c) NSS d) OSS e) IMSI

1. List any five improvements of TCP/IP.
2. Explain:
3. Mobile number portability and b. Handover procedures in GSM.