- 1. QPSK. Explain how QPSK can transmit 2 bits at the same frequency?
- 2. Explain how time, frequency and code division methods control the simultaneous access to the medium by multiple source or channels of mobile terminals and base transceivers.
- 3. Show that any two of the three codes are mutually orthogonal. -1,-1,1,1,-1,-1,1,1; -1,1,1,-1,-1,1,1,1,1
- 4. Describe the DSSS technique. Explain how it mitigate narrow band interference.
- 5. What are the functions of a rake receiver?
- 6. Explain the basic features of CDMA systems. Explain soft handover.
- 7. Explain the use of multiple carriers by orthogonal coding. How does an OFDMA system differ from a CDMA system?