3. Write in detail how 2G network is evolved to 3G system explaining GPRS technology. [14

OR

Explain about the Code Division Multiple Access technique. How it is different from FDMA and TDMA ? [14

4. How the handover decision takes place in GSM depending on receiver signal strength ? Explain. [14

OR

Explain the layered architecture of 802.11 protocol suite. Give details of MAC layer. [14

5. With the help of an example explain how IP packets are transferred from fixed node to mobile nodes. [14

OR

What is meant by Agent Discovery in IP routing ? Explain the format of Agent Advertisement Packet. [14

2024

Full Marks - 70

Time - As in the Programme

The figures in the right hand margin indicate marks.
All questions are compusory.

1. What are main problem of signal propagation ? Why do radio waves not always follow straight line ? Why is reflection always useful and harmful ? [14

OR

Explain the application of mobile computing. How Adhock network is different from cellular networks ? [14

2. With a neat diagram explain the working of GSM network. [14

OR

What is the basic prerequisite for applying FDMA ? Explain the implementation of FDM for multiple access and duplex in wireless environments. [14

[P.T.O...