

1.a) What is mobile communication? Discuss the advantages and disadvantages of cellular system. [5+10]

2.a) What is multiplexing? Explain TDMA and FDMA in the context of a GSM system. [8+7]

3.a) Explain how registration of a Mobile Node is carried out with appropriate request and reply packet formats. [6+9]

4.a) Explain mobile TCP. Give the advantages and disadvantages of mobile TCP. [8+7]

5.a) Explain the data cache maintenance and web cache maintenance in mobile environments. [9+6]

6.a) Describe push-based data delivery mechanism. Explain its advantages and disadvantages. [8+7]

7. What is a MANET? Compare the reactive and proactive routing protocols and describe DSR protocols. [15]

8.a) What is WAP? Compare and contrast the features between WAP1.1 and WAP 2.0. [8+7]

b) Explain how a Piconet forms with the Bluetooth devices. [8+7]