QP Code : 629700

(3 Hours)   [Total Marks : 100

Note: 1) Question **No. 1** is compulsory.
     2) Attempt any **04** Questions out of remaining **06** Questions.
     3) Figures to the right indicate full marks.

1 a. Explain forward link features of CDMA2000.   (5)
   b. What is adaptive multirate coding   (5)
   c. List out the services provided by 3G networks.   (5)
   d. Give different WLAN toplogies.   (5)

2 a. Explain in detail the components of sensor networks.   (10)
   b. Explain diffferent modes of operations of Bluetooth with complete
       flow diagram showing network connection establishment.   (10)

3 a. Compare WAP and imode protocol stack.   (10)
  b. Explain sensor network protocol stack.   (10)

4 a. Explain the concept of HSPDA in detail.   (10)
  b. Discuss WAP programming model in detail.   (10)

5a. Explain Link budget analysis and requirements of wireless networks (10)
  b. Explain LR-WPAN device architecture with suitable diagram.   (10)

6a. Expalin UMTS network architacture and list important features of
    UMTS interfaces.   (10)
  b. Compare WCDMA and CDMA2000.   (5)
  c. Explain the concept of OFDM.   (5)

7. Write short notes on any TWO: (20)
  a. WiMAX
  b. Zigbee
  c. RFID

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