(03 hours)   **Total marks: 80**

Note: 1. Q.1 is compulsory
     2. Attempt any 3 from remaining
     3. Assume suitable data if necessary.

Q1. A) Discuss in detail the examples of C1 WSN and C2 WSN applications.   [10]
   B) Discuss and explain in detail single node architecture for WSN with neat diagram.
                                                         [10]

Q2. A) Explain in detail LEACH protocol.   [10]
   B) Explain in detail Low duty cycle protocols and wakeup concepts?   [10]

Q3. A) Explain in detail ZigBee std in WSN.   [10]
   B) Explain in detail TRAMA protocol.   [10]

Q4. A) Explain in detail IEEE 802.15.4 MAC protocol.   [10]
   B) List and explain routing challenges and design issues for network layer in WSN.   [10]

Q5. A) Explain in detail Geographical Routing Protocols.   [10]
   B) List and explain the different types of security attacks in WSN.   [10]

Q6. Write Short notes   [20]
   a) RMST
   b) EYES OS
   c) PAMAS
   d) Differentiate between singlehop and multihop in WSN

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