



Q 3 (b) Explain with example the concept of an interleaver.

Answer Page Number 90, (4.6) of Text Book

Q 4 (a) Explain cell splitting and cell-sectoring in cellular concept.

Answer Page Number 116 - 117, (5.8, 5.9) of Textbook

Q5 (a) Draw and explain the structures of forward and reverse channels in a TDMA/TDD and TDMA/FDD system.

Answer Page Number 147 –148 of Textbook

Q 6 (a) Draw and explain GEO satellite beam footprint.

Answer Page Number 2 of Text Book

Q 6 (b) In the satellite system, there is some degree of free space loss. Besides this loss, does it have any other source of loss? Explain.

Answer Page Number 282 of Text Book

Q 7 (b) Draw and explain universal mobile telecommunication system (UMTS) architecture.

Answer Page Number 253 of Text Book

Q 8 (a) Discuss the factors involved in a routing of MANET and also the routing goals.

Answer Page Number 306-307 of Text Book

Q 8 (b) Draw and explain general architecture of a fixed sensor node.

Answer Page Number 339 of Text Book

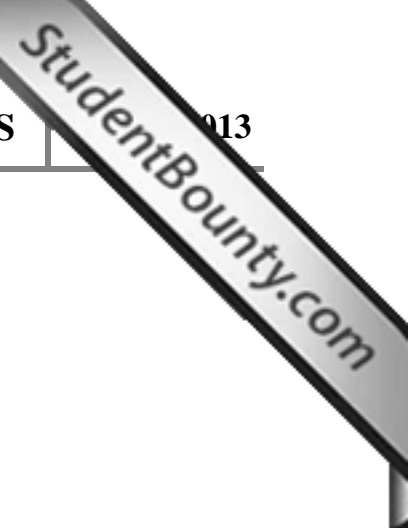
Q 9 Write short notes on any TWO:

(i) Home RF Technology

Answer Page Number 375 of Text Book

(ii) UWB system characteristic

Answer Page Number 399 of Text Book



(iii) Smart Antennas features

Answer Page Number 425 of Text Book

Text Book

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