

**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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