

ASSIGNMENT V

PART A

1. What is multiplexing gain?
2. Draw the MIMO model.
3. Mention the applications of MIMO systems.
4. What is array gain?
5. What is meant by co-phasing?
6. What is Alamouti's scheme?
7. What is channel state information?
8. Write short notes on capacity in fading and non-fading channels.

PART B

1. Briefly explain Multiple-input multiple output systems.
2. Explain in detail about the Pre-coding and Beam forming techniques.
3. Explain the architectures of spatial multiplexing with neat diagram.
4. Discuss the transmitter and receiver diversity in detail.