



- Q-5**      **Attempt all questions**      **(14)**  
a) Explain analog modulation techniques in detail      **07**  
b) Which are the multiplexing techniques and explain each in detail.      **07**
- Q-6**      **Attempt all questions**      **(14)**  
a) Explain Simplex, Half-duplex, and Full duplex modes with diagram      **07**  
b) Write a note on ISDN Architecture and its Channel types.      **07**
- Q-7**      **Attempt all questions**      **(14)**  
a) Describe satellite communication and cellular telephones.      **07**  
b) What is error detection? Explain its techniques (any two).      **07**
- Q-8**      **Attempt all questions**      **(14)**  
a) What is Ethernet? Explain CSMA/CD.      **07**  
b) What are internetworking devices? Describe any 3 devices.      **07**

