

QUESTION BANK - THEORY

Q1) Draw the Basic Diagram Block Diagram of communication sys. / Elements of com. sys. / components of cs.

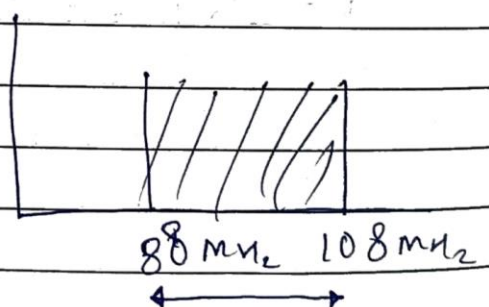
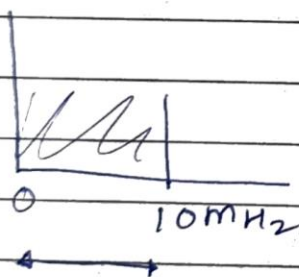
Q2) What is modulation. Give the methods used for modulation
↑
tree Diagram

Q3) State the types of modulation

Q4) Explain why modulation is required / Need of modulation

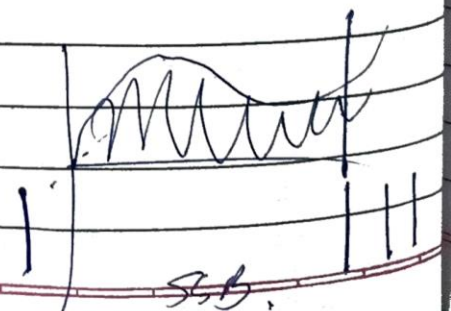
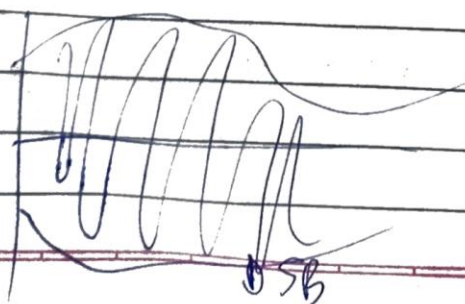
Q5) Difference Between Analog & Digital Modulation

Q6) Explain the Baseband and Bandpass communication



Q7) State the advantages of AM.

→ Q8) Why SSB is preferred over DSBSc or DSB



Q9) Mention the Application of Analog and Digital communication.

Q10) Mention the advantages of " — " .

→ Q11) What is the difference between amplification & Modulation.

Q12) Mention the Examples of analog and Digital communication.

Q13) Draw the waveform of AM and Explain it. (3 waves)

Q14) Draw and Explain the frequency modulation

Q15) Draw and Explain the types of AM

Q16) Draw and Explain the DSBSC modulation

Q17) Draw and explain the Balance modulator

Q18) Differentiate AM and FM

$$\frac{E_m}{E_c}$$

Q19) State the Carson's Rule. and define the bandwidth of FM.

Q20) Draw & Explain the frequency distribution spectrum of AM