MICROWAVE ENGINEERING &DIGITAL COMMUNICATIONS LAB

CH.NARESH

ASSISTANT PROFESSOR

DEPARTMENT OF ECE

Jyothishmathi Institute of Technology & Science

AMPLITUDE SHIFT KEYING GENERATION AND DETECTION
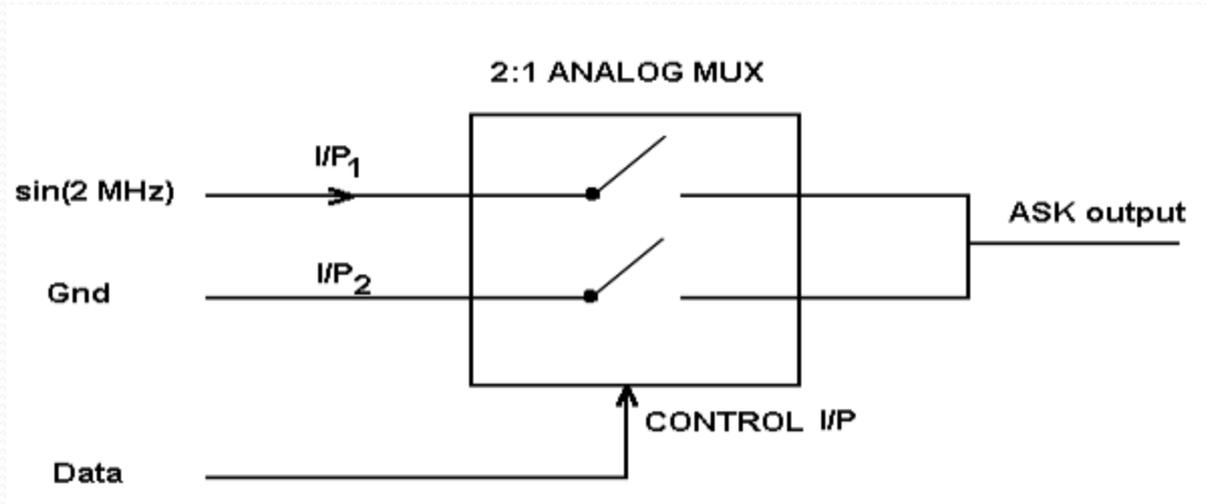
- AIM: To Study the process of

  1.Amplitude shift keying modulation Demodulation

  2.To Study various data formatting modulation and Demodulation Techniques.

APPARATUS

1.ASK Modulation Demodulation kit.

2.CRO.

3.Patch Cards.

4.CRO Probes.

5.Connecting Wires.

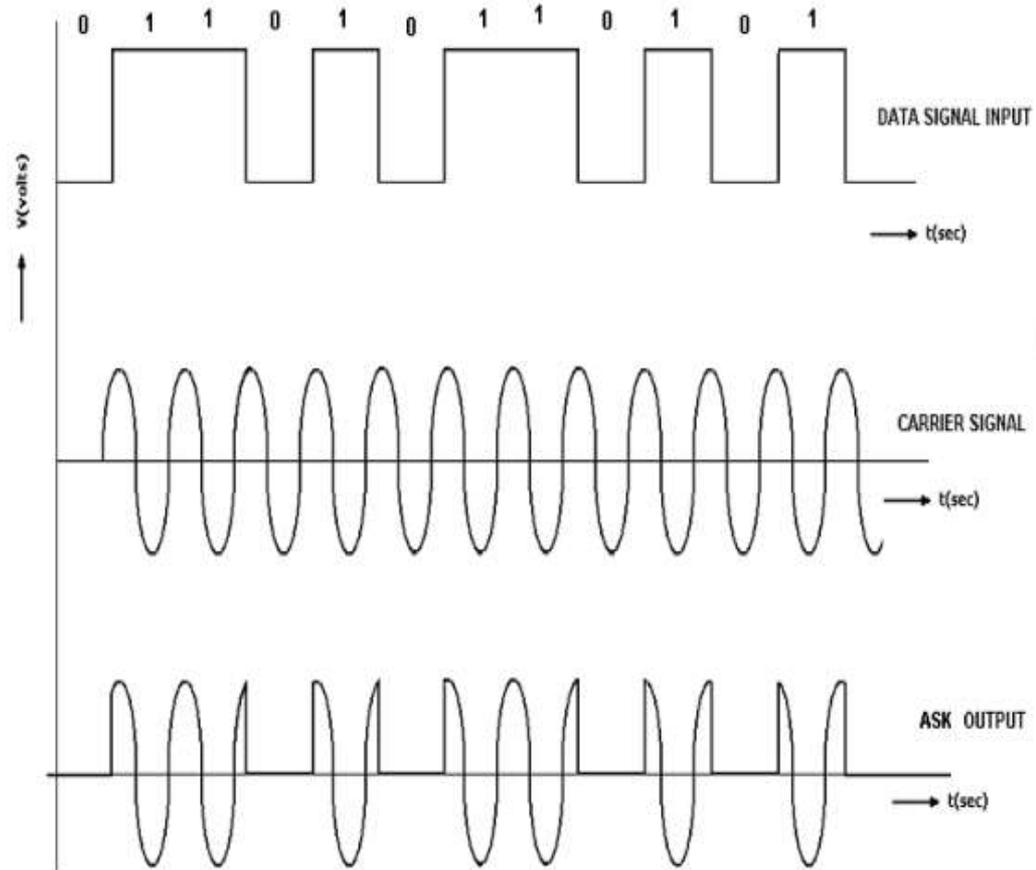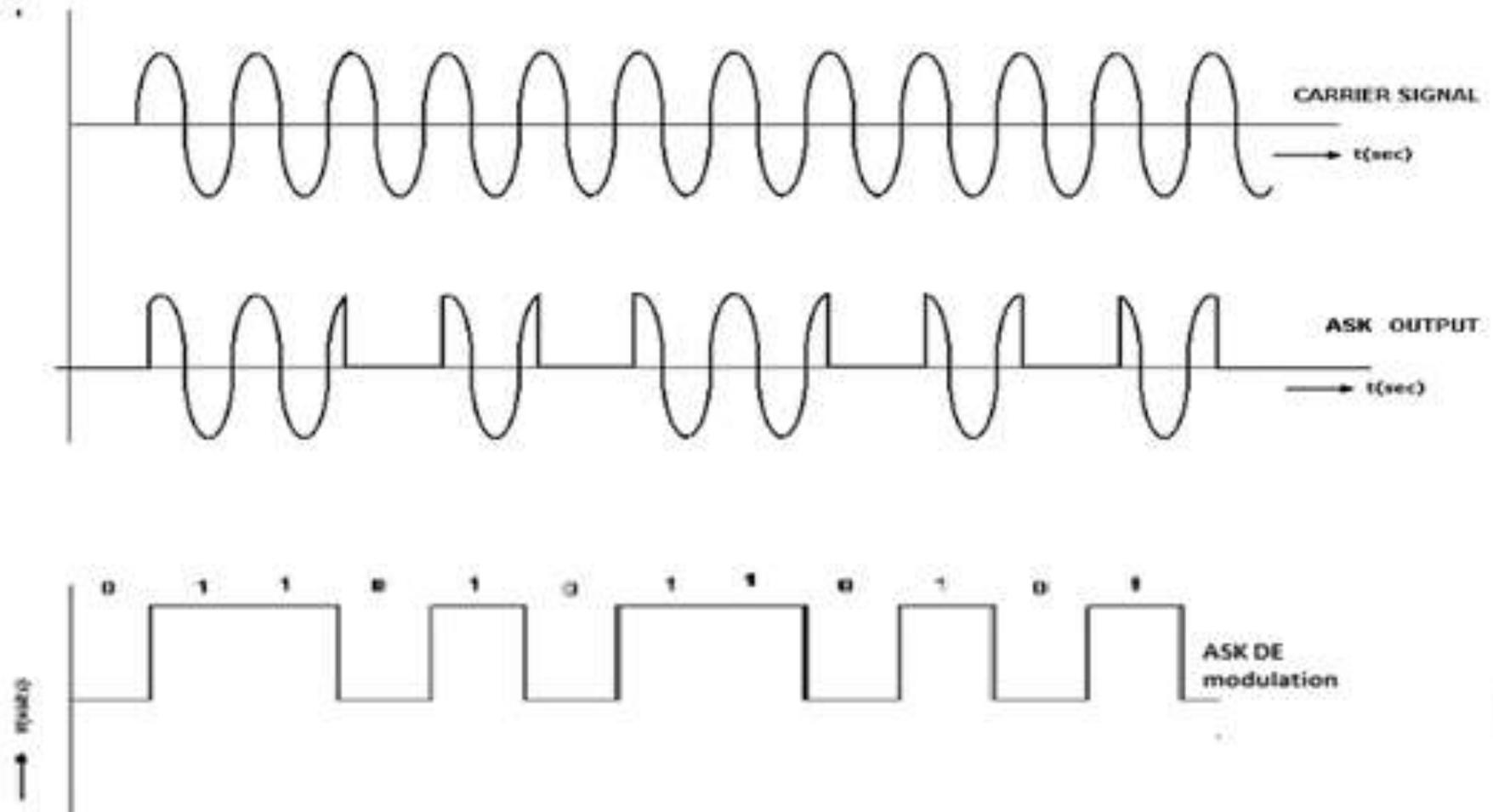# BLOCK DIAGRAM

OBSERVATIONS

- Message signal voltage = _____
- Message signal frequency = _____
- Carrier signal voltage = _____
- Carrier signal frequency = _____
- ASK signal voltage = _____
- ASK signal frequency = _____

MODEL GRAPHS

ASK DEMODULATION

APPLICATIONS

- Low-frequency RF applications

- Home automation devices

- Industrial networks devices

- Wireless base stations

THANK YOU