MI

MOU Freq - 50 Hz

306 SCC= 20 m time pariodt = 1/t- 1/50 = 0.02

1-60

77 8 "

mou 1 24

= 0.04775

41.74103 (1

41.7ms 11

& MHz u 0

= 129 hs onou (cg M Hz) = 1 (2000003Hz) = 125+10-9

7.14 NS orol (140 KHz) = 1 (140000 Hz) = 7,14 x 10 65= C= 140 MHZ

Pn 3-2

a= 55

ONOR ARSWEV For M=1 (55)=0.2 HZ

b= 12/15

or OU (12NS)=1 (0.0000125)= 89.9×10 Hz = 89.3 KHz

C= 220 ms

on OU (220HS)=1 (0.000000220S) = 4.55×10°Hz = 4.55 MHZ

03-3

Answer: 40 degrees (x/2 radians)

b mou Answer: 0 degrees

90 degrees (# 12 radians 30 NO

P3-7

bps-7kbps bit rate= 1/(bit duration)=1/(0.0015)=1000 signal in which 1 bit tasts 2ms in which 1 bit lasts 0,0075 a. Asimpal db. A 700

2 600 bps in which gobits last 20,05 vate=1 (9ms)=1/(0.002s) C. A-signal orow bit

500 Kbps

0

mor (220)= 500000 bps

a. How long does it take to send out 10 bits 3-12

oncu, 10/1000 = 0.01 ger

send out a charactor (8 big How 109 does it take to 0102 8 12000 = 0,004 Sec 0

C. How long does it take to send afile of rogood charact once of 8x 1000000 / 2000 4 00 sec