215006C

Tutorial 04 Mattiple Choice Questions b. Digital to - analog A. amplithtude b. ASK C. 800 d. 1200 C. 1900 C. 1000 d. 9000 a combinations of phase and amplitude 4 6 Changing the carier name by the module C- Gram An infinite number of d. Any of the above Less than b b. Ingreases, and b increases 18) b- sess than b d. To reduce the error rate ada FSK soon a. Digital analog C. 56.6, 33.6

Short Arever Exercises! Bandrate & bitrate /n if a · Band Pate = 2000 bps pt Band Pater= es/2000 bps/ f. Bandrate= c Bandrate / booologs 91 Brad rate = 2000 band h. Band rate 17 b ' band rate = bitrate/m (a) band rate = 2000 ps n= (b) band rate - 4000/ 200 2/000 bpiso cost band rate = bitrate/log 2 CL) band rate = 6000 = 6000/ 2 6000bpgd5 d band rup _ 6000 = 6000/2 2 3000 bps (e) band rate - 6000 e - 4000 > 4000/ 2 2000 bps (H) band rat g, baud rate, 6000 , 6000 = 1500bps

(51 band rate = 136000 (64) = 36000 boud rate = bit rate / bit combination. (a) band rate = 2000/2 = 1000 bps (b) band rate = 6000/3 = 2000 bps (c) bundrate = 6000/1 = 1500 bps (d) bandrate = 6000/1 = 6000 bps (3) bit rate = band rate & log_2 Chit combination). (a) bit rate = 1000 x lugi 2 = 1000 lps (b) bit rate = 1000 x log 2 8 = 3000 bps (0) bitrate = 1000 x log 2 15. 12 4000 bps (4) 2 amplitude of 4,5) 3 ASK -> 1 bit/board 5) 2 amplitude (6,403, 12-00) -> Ask > 16it/band. 2 amplitude 4 and 2 phase lo180) 2 Ash -> 1 bit /band 2 psh -> 1 bit / bund (8) 2 amplitude (4.5, 6.5) and phases (0, 160, 15, 215) 9] - baordaridth - (1+d) N buad = (1+1) x 4000 5 6000 H 2

- 15h bandwidths 81 - fort N band BATHNA BATHNA