Data Communitation HW *3

2014314130 010802

2. (c)
$$S = (1/r) \times N \text{ old}$$
.
 $r = \log_2 4 - 2$

= 2,000

: 2,000 bund

= 6,000

2 6,000 Land

t = Lay 2 = 1

N = 1 x /000

1,000 6/25

N= 4 x 1,000

a.000 495

$$t = (1+d)\frac{N}{B} = (1+0) \times \frac{1Mhps}{100klps} = 10$$

: 1024-QAM 4 8544

7. (1) - Somo 500 = 6x (8+4) = 92 bits

· diese ine = 500 diese /5

Es distrotion to to suspent denne = 1/300 = 2mi

(1) duta the = 500 × 72 = 2600 tps

8. . . 1 × 10 + 0.5 × 9 = 44.5 kHz

9. (+) 8,00 drames/s 0122

1. 1/ som 5

167