Assignment 2 Solution

(2)

    a) 105 kHz

    b) 280 ksamples/s

    c) 32 uniform quantization levels

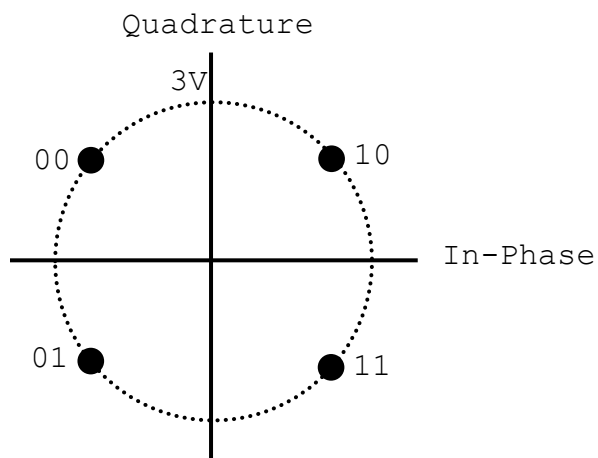   d) SNR = 28.1 dB

(3)

TDM 13 x 32 kbps = 416 kbps

S6	S6	S5	S5	S5	S5	S4	S3	S2	S2	S2	S1	S1

(4)
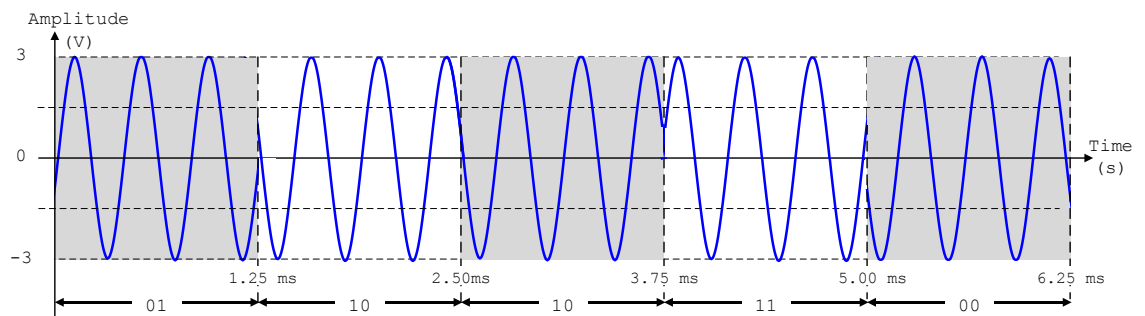
    a)

    b) 0.417 ms

    c) 1.25 ms

    d)

    e) 1.60 kbps

(5)

   a) Quantization Codes: 4, 4, 1, 5

   b) Encoded Words: 100, 100, 001, 101