Question 1   4 marks
 True or false, correct the false
1. if frequency = 2000 and max frequency = 4000,
   according to requist sample rate will be 4000 Hz.

2 - sample rate = 16000 times , Quantization
     level = 1024 $\Rightarrow$ bitrate = ~~160~~ 16 Mbps.

3 - transmission rate ~~$\frac{3}{}$~~ is 1.5 Gbps if I have image ^{HD}
     with 2000 × 1000 pixel , 25 frame , 24 bit per pixel

4 - 8 - bit ~~ass~~ color image $\Rightarrow$ definition of LUT

Question 2:   4 marks
 ~~to~~ draw chromo sampling 4:2:0 , 4:1:1

Question 3:   6 marks
 $\sum c_{(x,y)}$ = 90 0 50 0 0 0
                    0   0   0   0   0   0   calculate
                    50 0 50 0   0   0   F(0,0) , F(1,1)
                    0   0   0   0   0   0
                    0   0   0   0   0   0   صور العلاقة بين
                    0   0   0   0   0   0

Question u: 6marks

1- Draw Iframe and list the algorithms used in each stage.

2- Why I frame inserted is sent frequently?