2.1

part1-1: Period: 0.2 second | Frequency: 1/0.2 = 5hz | p-p amp: 20v

part1-2: Period: 0.2 second | Frequency: 1/0.2 = 5hz | p-p amp: 20v

part1-3: Period: 0.1 second | Frequency: 1/0.1 = 10hz | p-p amp: 10v

part1-4: Period: 0.1 second | Frequency: 1/0.1 = 10hz | p-p amp: 10v

Phase between part1-1 and part1-2: 90 degrees

Phase between part1-3 and part1-4: 90 degrees

2.2

part2-2, part2-3, part2-4 : 10v, 0.5v, 2v

part2-2, part2-3, part2-4 : 10hz, 10hz, 10hz

2.3

part3-1: Period: 0.2 second | p-p amp: 10v | average voltage: 5?

part3-2: On 5v, -5v

part3-2: Above around 3v, below -3v

part3-2: Above 6v, below 6v

part3-2: Above 10v, below 10v

2.4

ASK-1: Period: 0.2 second | Frequency: 1/0.2 = 5hz | p-p amp high: 20v | p-p amp low: 2.5v

4-bit sequence?

6 baud?

2.5

FSK-1: 1-1-1-1-1-1-0-0-1-1-0-1-1-0-1-1 | Period Low: 0.05 second | Period High: 0.1 second |  
Frequency Low: 20hz | Frequency High: 10hz