

## SSY081 Matlab project

Group ID: ?

Group members: ?

### Question 1.

- a) Procedure you have followed to create the trains of action potentials corresponding to each unit.

?

- b) Number of samples and reason

??

- c) Figure 1: action potential train nb [insert train number] (0-20 s)

Figure

Figure 2: action potential train nb [insert train number] (10-10.5 s)

Figure

- d) Time axis

?

- e) Figure 3: EMG (10-10.5 s)

Figure

### Question 2.

- a) Procedure you have followed to filter the binary file.

?

- b) Figure 4: filtered binary vectors (0-20 s)

Figure

- c) Figure 5: filtered binary vector 4. Filter characteristics (e.g. low-pass, high-pass)

Figure ?

- d) Figure 6: filtered binary vector 7. Fastest discharging unit and reason  
Figure ? ?

**Question 3.**

- a) Figure 7: DFT of the signal with and without interference  
Figure
- b) Comment Figure 7  
?