

## Control Questions

At the beginning of the measurement five questions has to be answered. One incorrect answer results -1 mark on the measurement. Two or more wrong answers result a supplementary measuring!

1. What processing steps are carried out on speech signals first? What is their goal?
2. Why speech signal is framed? How long is a frame (approximately)?
3. Why Hamming-window is applied before DFT?
4. What is the mel-scale?
5. What is linear time warping? (figure is welcomed!)
6. What technique is used in the measurement for time alignment? Why do we need time alignment?
7. How can be two feature vectors compared?
8. How can be automatic speech recognition experiments carried out with program *Vdial*?
9. What technology are modern, continuous speech recognizers based on? What are its advantages and drawbacks?