Family name: ……..……Student ID (Matrikelnummer):……..……

Please use an empty sheet of paper (or the printed questions) to write down your name and your answers (also write the number of question). Adjust your camera so that you can be seen when writing. This is not an open-book exam, it is not allowed to use any notes, texts or other resource materials.
You have 30 minutes for the answers, then please take a photo or scan your answers and send them via Email to paul.panek@tuwien.ac.at or upload to TUWEL. Stay connected until confirmation that your answers are readable.

S1: 24-21,5 **U2: 21-18,5** **B3: 18-15,5** **G4: 15-12,5** **N5: 12-0**

Please only give SHORT answers especially if no description is requested, it's not the length that counts!

1: (2P) List areas of **transdisciplinary influence** on **Assistive Systems**.

a)

b)

c)

d)

2: (1P) Why is the market for an Assistive System different to the typical „consumer" market of modern technology? **List 2 important points**.

a)

b)

3: (3P) What is the **purpose of the MEESTAR model**? Which 3 dimensions of assessment does it use?

Purpose:

Dimensions:

4: (3P) What does **ADL** stand for and what are **Basic ADL**, **iADL, eADL** examples?

ADL:
Basic ADLs:

iADLs:

eADLs:

5: (2P) List typical sensors for Assistive robots and their purpose

a)

b)

c)

d)

6: (3P) Which elements do **Personas** and **Scenarios** typically contain? What is their purpose?

Personas:

Scenarios:

Purpose:

7: (2P) What are 2 main purposes of an „**Informed Consent**"? How is it implemented?

a)

b)

Implementation:

8: (2P) What basic components does an Assistive System usually have and for what purpose?

a)

b)

c)

d)

9: (2P) Why is testing of Assistive Systems complex? Describe in short two appropriate methods.

Reason:

a)

b)

10: (1P) List advantages of **stationary** and **mobile devices (**user interfaces**)**?

Stationary:

Mobile:

11: (2P) List **potential hazards** for users added by the use of assistive robots?

12: (1P) Which two successive approaches can be used to **deal with/reduce potential risks** (of machinery, robots…)?

a)

b)