Fami	ly name:		Student II	O (Matrikelnumr	ner):	
Pleas write exam You	te use an empty sheet of part the number of question).  The it is not allowed to use an energy and the analysis of the analysi	paper (or the printe Adjust your camera ny notes, texts or oth swers, then please	d questions) t so that you ca her resource n take a photo (	o write down yon be seen when naterials.	our name and your writing. This is not	answers (also an open-book em to TUWEL
	S1: 19-17	U2: 16,5-14,5	B3: 14-12	G4: 11,5-10	N5: 9,5-0	
Pleas	e only give SHORT answ	ers especially if no	description is	requested, it's n	ot the length that co	ounts!
1. W	/hich problems can ob	stacle <b>mounting</b>	<b>heights</b> ca	use for users	of white canes?	(2 Pt.)
Pro	blems:					
 Pro	bblematic range:					
<u>pa</u>	ataract, Macular Deg arts of an organ. Name gan affected:	the organ and <u>c</u>	lescribe the	effect(s).		(2 Pt.)
Eff	ect(s) of a Cataract:					
Eff	ect(s) of Macular Dege	neration:				
Eff	ect(s) of a Glaucoma:					
	<u>escribe</u> the <b>operating</b> nd a disadvantage	<b>principle</b> of a <u>pi</u>	<u>ezo-electric</u>	Braille displa	a <b>y</b> and an advan	tage (2 Pt.)
4. W	/hat environment/desig	n <b>requirements</b>	do person	s in wheelch	air have and why	<b>/?</b> (2 Pt.)
a)						
b)						
c)						
٩/						
d)						

5. List human sensor systems (senses) and compare their characteristic properties  a)		Pt.)
b)		
c)		
6. What is the <u>definition</u> of the <b>Visus</b> and how is it <u>measured</u> ?  Definition:	`	Pt.)
Measurement:		
<ol> <li>Accessibility features for augmented input &amp; output are integrated in today's operatir systems (Windows, Android, MacOS, iOS etc.). Give 4 examples of typical accessib tures and briefly describe the benefit for certain user groups.</li> <li>a)</li> </ol>	ng <b>oili</b> (3	<b>ty fea</b> Pt.)
b)		
c)		
d)		
8. Which problems can interfaces of technical devices cause for persons with <b>epilepsy</b> Problem:  Problematic range:		(1 Pt.)
9. Estimate roughly the <b>amount of disabled people</b> in the population. Why is it often	(1	Pt.)
Difficulties comparing statistics:		
10.Give one <b>application example</b> each for a <u>stationary</u> and a <u>mobile</u> <b>assistive robot</b> Stationary:		Pt.)