

Exam 24.11.23

1. List an advantage and disadvantage of screenreader output to other output methods for blind users
 - a) Advantage
 - b) Disadvantage
2. Describe two ways (devices, procedures etc.) to put Braille on paper.
3. (Vinyl) records were previously used as media for audiobooks (or “talking books”). What more modern media are there today? What are the advantages?
4. How and where are vowels/consonants created when speaking (difference)?
5. Which (undesirable) effects does the use of text prediction often imply (e.g. in terms of additional time and cognitive effort)? Name and briefly describe.
6. What is understood by “Keystroke Saving Rate”?
7. Name two alternative replacements for manual writing.
8. Mobile phones, smartphones and tablets have opened many new opportunities for people with disabilities. Select 3 types of disability and give an example of a particular functionality of a modern device or app and explain how it helps in the telecommunications field.
9. Mark the important elements conveying meaning for visual communication (X).

	Visemes	Phonemes	Characters	Words
Lip reading				
Finger alphabet				
Cued Speech				
Manually Coded Language/LBG				
Note taking, subtitle generation				

10. Braille literacy: Estimate what percentage of the blind population can read Braille (in countries like Germany or the USA). Has the percentage increased/decreased/stayed stable in the last 10-20 years?
Percentage of Braille readers in the blind population: ____%
In the last 10-20 years this percentage has _____
11. List an advantage and a disadvantage of signs/gestures vs. icons/symbols?
 - a) Advantage
 - b) Disadvantage
12. List 2 advantages of Semantic Compaction in AAC?
13. What is the difference between tactile sense and haptic sense?
Explain tactile: _____
Explain haptic: _____