

Answer briefly (at most 15 lines) to all questions. If you write more only the first 15 lines will be read, so please think before you write, concentrate on the important points and stay on topic.

You may answer in either English or Finnish.

1. What types of multisensory cells are there in the premotor cortex?
2. In the lecture on attention, specific mechanisms were introduced that might help filter task-relevant sounds during selective attention. Please describe these potential mechanisms briefly.
3. Explain briefly the following terms:
 - a. Habituation
 - b. Long term potentiation
 - c. Retrograde amnesia
 - d. Procedural memory
 - e. Semantic memory
4. Describe biological, cognitive and behavioral effects of severe stress on adults.
5. What is the role of hippocampus in declarative and non-declarative memory? Justify your answer.