PRE-READING QUIZ
This quiz covers: Week 04 pre-readings.

Correct answers are in **bold**.

1. Which of the following is a limitation of Information Processing and its associated models? It:
   - (a) does not allow for making predictions about human behavior.
   - (b) cannot be used for making comparisons between tasks.
   - **(c) does not account for how users interact with computers and other objects outside their own mind.**
   - (d) considers only perceptual and cognitive processes.

2. Creating and using external representations:
   - (a) is useful only for interactions involving only one user.
   - (b) **reduces memory load and cognitive costs.**
   - (c) does not allow users to think more powerfully.
   - (d) All of (a), (b) and (c)
   - (e) Both (a) and (b)

3. Many people believe that the higher they set their thermostat, the faster their house will warm up. This is an example of:
   - (a) a gulf of execution
   - **(b) an incorrect mental model**
   - (c) poor computational offloading
   - (d) a gulf of evaluation

4. A conceptual model:
   - (a) describes how a system looks and feels, describes what people can do with a system, includes the concepts people need to operate a system.
   - (b) is expressed in a system-neutral way, describes what people can do with a system, must match the mental model.
   - **(c) describes what people can do with a system, includes the concepts people need to operate a system, may form the basis for a mental model.**
   - (d) describes what people can do with a system, includes the concepts people need to operate a system, must match the mental model.

5. The ‘magic number’ for short-term memory (according to Miller) is:
   - (a) **the number of discrete items you can hold in your short term memory, i.e. 7+/− 2**
   - (b) the number of seconds you can remember something for a short term without repetition, i.e. 20s +/- 5
   - (c) the number of discrete items you can hold in your short term memory, i.e. 2 +/- 2
   - (d) the number of senses you need to engage to transfer from short to long term memory.