EXAMINATION FOR THE COURSE:
NEVR3003  – Behavioral and Cognitive Neuroscience

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Examination date: 21 March 2011
Examination time: 9 am. - 1 pm.
ECTS-credits: 7.5
Support materials: Dictionary

Language of examination: English
Number of pages: 2 (including front page)

Examination results: 11 April 2011
Please answer all questions.

1. Compare and contrast excitatory (glutamatergic) and inhibitory (GABAergic) neurons in the cortex
2. Describe how the diffuse noradrenergic system modulates neural function
3. What are gamma oscillations and what might they be good for?
4. Why are dopamine neurons believed to code a 'reward prediction error' with regards to reward processing?
5. How can we learn about depression in humans by studying rodents?
6. What are the different roles of REM and NREM sleep in memory consolidation?
7. How do monoamines affect food intake?
8. What is the binding problem, and what are the potential solutions to it?