

# PSYCH 260-BBH 203 Quiz 3

October 30, 2015

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| Answer the questions using the Scantron form. |
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Name: \_\_\_\_\_

# 1 Main

1. How does hippocampal volume relate to depression?
  - A. Depressed individuals have reduced volumes compared to non-depressed individuals.**
  - B. Depressed individuals have larger hippocampi than non-depressed individuals.
  - C. Hippocampal volume does not predict depression.
  - D. Depressed individuals show reduced volume of the left, but not right, hippocampus compared to non-depressed individuals.
2. Which of these areas is *not* involved in the brain's 'happiness' system?
  - A. Ventral tegmental area.
  - B. Posterior pituitary.**
  - C. Nucleus Accumbens.
  - D. Amygdala.
3. What does the SAM axis do?
  - A. Prepares the body for withdrawal.
  - B. Prepares the body for sleep.
  - C. Prepares the body for action.**
  - D. Prepares the body for sex.
4. SNRIs, one line of treatment for depression, act on which neurotransmitter system?
  - A. Serotonin.
  - B. Glutamate.
  - C. Norepinephrine.**
  - D. Cortisol.
5. The monoamine hypothesis states that \_\_\_\_\_ levels of monoamines are associated with \_\_\_\_\_.
  - A. Increased; Parkinson's.
  - B. Reduced; bipolar disorder.
  - C. Increased; schizophrenia.
  - D. Reduced; depression.**
6. Lesions in this specific area impair fear conditioning:
  - A. Hypothalamus.
  - B. Nucleus Accumbens.
  - C. Amygdala.**
  - D. Hippocampus.
7. In Plutchik's framework, emotions vary in \_\_\_\_\_ and \_\_\_\_\_.
  - A. valence; intensity.**
  - B. intensity; neural locus.
  - C. valence; activation of ANS.
  - D. action tendency; whether they serve biological needs or not.

8. Which of these facts about tricyclics is NOT true?
- A. Inhibit Norepinephrine reuptake.
  - B. Inhibit 5-HT reuptake.
  - C. Non-selective which causes side-effects.
  - D. Increase brain steroid production.**
9. Bipolar disorder is commonly treated with all of the following EXCEPT:
- A. Lithium.
  - B. anti-convulsants.
  - C. anti-psychotics.
  - D. monoamine antagonists.**
10. There are endogenous receptor sites in the CNS for many substances that have psychological/neurological effects, and the CNS itself produces and releases substances that bind to these receptors.
- A. True.**
  - B. False.

## 2 Bonus

11. Pharmacological treatments have been shown to be the most effective method of treating depression.
- A. True.
  - B. False.**
12. Clinicians can measure monoamine levels in the CNS in order to diagnose or treat depression or schizophrenia.
- A. True.
  - B. False.**