

# PSYCH 260 Quiz 3

March 24, 2017

Answer the questions using the Scantron form.

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* usually involved in the brain's reward system?
  - A. Ventral tegmental area.
  - B. Posterior pituitary.**
  - C. Nucleus Accumbens.
  - D. Amygdala.
  
3. SNRIs, one line of treatment for depression, act on which of the following neurotransmitter systems?
  - A. Dopamine.
  - B. Glutamate.
  - C. Serotonin.**
  - D. Cortisol.
  
4. This structure controls both autonomic and endocrine output from the CNS.
  - A. Hypothalamus.**
  - B. Nucleus Accumbens.
  - C. Amygdala.
  - D. Hippocampus.
  
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. 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.

7. The first animals with complex behavioral repertoires and nervous systems emerged about \_\_\_\_\_.
- A. 10,000 years ago.
  - B. 4.5 billion years ago.
  - C. 540 million years ago.**
  - D. 65 million years ago.
8. Bipolar disorder is commonly treated with all of the following EXCEPT:
- A. Lithium.
  - B. anti-convulsants.
  - C. anti-psychotics.
  - D. monoamine agonists.**
9. 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.
10. Across animal species, brain sizes \_\_\_\_\_ with \_\_\_\_\_.
- A. decrease; body size.**
  - B. increase; body size.**
  - C. increase; longevity.
  - D. have no relationship; body size.

## 2 Bonus

11. The vast majority of people with major depression respond to drug therapy alone.
- 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.**