

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.**