

PSYCH 260H Quiz 3

November 2, 2016

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* involved in the brain's 'happiness' system?
 - A. Ventral tegmental area.
 - B. Posterior pituitary.**
 - C. Nucleus Accumbens.
 - D. Amygdala.
3. The embryonic neural tube becomes what anatomical structure(s) in the mature CNS?
 - A. meninges.
 - B. hippocampus and amygdala.
 - C. cerebral ventricles and central canal of the spinal cord.**
 - D. cerebrospinal fluid.
4. SNRIs, one line of treatment for depression, act on which of the following neurotransmitter systems?
 - A. Dopamine.
 - B. Glutamate.
 - C. Serotonin.**
 - 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. This structure controls both autonomic and endocrine output from the CNS.
 - 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. Across animal species, brain sizes _____ with _____.
A. decreases; body size.
B. increases; longevity.
C. have no relationship; body size.
D. increase; body size.
9. Bipolar disorder is commonly treated with all of the following EXCEPT:
A. Lithium.
B. anti-convulsants.
C. anti-psychotics.
D. monoamine agonists.
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. 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.