

PSYCH 260-BBH 203 Quiz 3

October 30, 2015

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