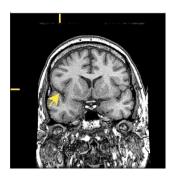
## PSYCH 260 Quiz 1

## February 2, 2016

## 1 Main - 10 pts



- 1. The image illustrates what type of slice?
  - A. Sagittal
  - B. Horizontal
  - C. Coronal
  - D. Axial
- 2. All of the following structures can be seen in the figure EXCEPT
  - A. Corpus callosum
  - B. Gray matter
  - C. 4th ventricle
  - D. Cerebral cortex
- 3. The figure illustrates the use of \_\_\_\_\_\_magnetic resonance imaging (MRI), a technique with \_\_\_\_\_spatial resolution.
  - A. functional; fair ( $\sim 3+$  mm)
  - B. structural; good ( $\sim 1$  mm)
  - C. neural; excellent ( $\sim 1 \text{ micron}$ )
  - D. diffusion tensor; poor ( $\sim 1 \text{ cm}$ )
- 4. Which Greek philosopher believed that the heart, not the brain, was the mental center of the body?
  - A. Aristotle
  - B. Galen
  - C. Vesalius
  - D. Descartes

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5.	Beginning with Galen, many early thinkers thought that fluid, flowing between the, was important to thought, feeling, and action.	
	A.	synaptic vesicles
	В.	dura mater
	С.	cerebral ventricles
	D.	pineal gland
6.	The occip	pital lobes areto the frontal lobes.
	Α.	posterior
	В.	anterior
	С.	rostral
	D.	medial
7.		formation enters the CNS via the 2nd (II) cranial nerve and projects both to the thalamus and $_{}$ in the midbrain tectum.
	A.	lateral geniculate nucleus
	В.	striatum
	С.	substantia nigra
	D.	superior colliculus
8.	All of the	ese structures are components of the hindbrain EXCEPT:
	A.	pons
	В.	tegmentum
	С.	cerebellum
	D.	medulla oblongata
9.		etic neural stimulation techniques aremethods withspatial poral resolution than functional MRI (fMRI).
	A.	structural; higher
	В.	functional; higher
	С.	structural; lower
	D.	functional; lower
10.	Anterogra	ade and retrograde histochemical tracers help neuroscientists determine
	A.	what stimuli best activate a brain region.
	В.	what connects where.
	С.	when to stimulate a brain region for maximum effect.
	D.	whether a brain area is functioning normally.

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## 2 Bonus

11. This forebrain structure in the diencephalon controls both the autonomic nervous system and the endocrine system.

- A. Hippocampus
- B. Thalamus
- C. Medulla
- D. Hypothalamus
- 12. The figure on page 1 shows two parts of the brain that are structurally related to one another, the \_\_\_\_\_\_.
  - A. lateral fissure; temporal lobes.
  - B. spinal cord; lateral ventricles.
  - C. amygdala; tectum.
  - D. basal ganglia; 4th ventricle.