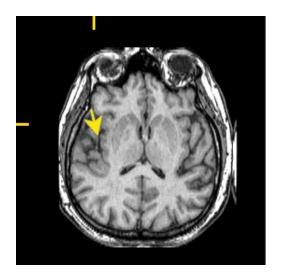
PSYCH 260H Quiz 1

September 12, 2016

	Answer the questions using the Scantron form.								
		J							
Name:									

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 ($\sim 3 + \text{mm}$).
 - B. structural; good (~ 1 mm).
 - C. neural; excellent ($\sim 1 \text{ micron}$).
 - D. diffusion tensor; poor ($\sim 1 \text{ cm}$).

4.	Which p action?	hilosopher believed that the pineal gland had a special role in both reflexive and voluntary
	A.	Aristotle.
	В.	Galen.
	С.	Vesalius.
	D.	Descartes.
5.	Event-rel	ated potentials are a type of; they measure
	A.	positron emission tomography (PET); local metabolic rates.
	В.	magnetic resonance imaging (MRI); the integrity of white matter fiber tracts.
	С.	electroence phalography (EEG); the time-locked electrical activity of large numbers of neurons.
	D.	magnetoencephalography (MEG); average brain magnetic activity.
6.	The long	itudinal fissure isto the lateral fissure.
	A.	posterior.
	В.	anterior.
	С.	rostral.
	D.	medial.
7.	Visual in	formation enters the CNS via the 2nd (II) cranial ornerve and projects toof the thalamus.
	Α.	optic; lateral geniculate nucleus.
	В.	olfactory; striatum.
	С.	optic; substantia nigra.
	D.	oculomotor; superior colliculus.
8.	All of the	ese structures are components of the forebrain EXCEPT:
	A.	hippocampus.
	В.	tegmentum.
	С.	hypothalamus.
	D.	cerebral cortex.
9.	Why doe	s fMRI represent an indirect measure of brain activity?
	A.	It measures brain structure, not function.
	В.	It measures electrical activity, but neurons send chemical messages.
	С.	It measures changes in blood oxygen and blood flood that follow neural activity.
	D.	It has poor spatial resolution.
10.	Anterogr	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.

2 Bonus

11.	This forebrain	structure	in the	ventral	diencephalon	controls	both	the	${\rm autonomic}$	nervous	system	and
	the endocrine s	system.										

- A. Hippocampus.
- B. Thalamus.
- C. Medulla.
- D. Hypothalamus.
- 12. The arrow in the figure on page 2 shows two parts of the brain that are structurally related to one another, the _____and the ____.
 - A. lateral fissure; temporal lobes.
 - B. spinal cord; lateral ventricles.
 - C. amygdala; tectum.
 - D. basal ganglia; 4th ventricle.