PSYCH 260 Quiz 4

April 17, 2017

	Answer the questions using the Scantron form.	
ne•		

-	TA /E	•
	1 / 1	ain
1	$\perp V \perp$	аш

1.	Visual acuity isat the	
	A. highest; fovea	
	B. highest; LGN	
	C. lowest; fovea	
	D. lowest; ventral stream	
2.	Gilmore says that the retina is <i>physiologically</i> backwards because the photoreceptors	
	A. are located adjacent to the vitreous humor.	
	B. release more neurotransmitter in darkness.	
	C. project axons in a backward direction.	
	D. send action potentials from the axon to the dendrites.	
3.	The rod photoreceptors arenumerous than the cones and are located largely in theportions of the human retina.	ıe
	A. less; central	
	B. less; peripheral	
	C. more; central	
	D. more; peripheral	
	Which of the following describes the main way stations in the projection of visual information to the cerebral cortex?	ıe
	A. retina - lateral geniculate nucleus - occipital lobe	
	B. retina - suprachiasmatic nucleus - pineal gland.	
	C. retina - medial geniculate nucleus - temporal lobe	
	D. superior colliculus - lateral geniculate nucleus - occipital lobe	
5.	One theory about how visual information processing is functionally segregated suggests that information about an object's location and motion is routed to thestream.	n
	A. retino-tectal	
	B. retino-hypothalamic	
	C. dorsal	
	D. ventral	
6.	With the exception of one sense modality, all types of sensory information are relayed through thebefore it arrives in the cerebral cortex.	ıe
	A. Hippocampus	
	B. Thalamus	
	C. Amygdala	
	D. Cerebellum	

7.	Primary auditory cortex, located in thelobe, receives input from thenucleus of the thalamus.
	A. temporal; medial geniculate
	B. temporal; lateral geniculate
	C. occipital; pulvinar
	D. occipital; ventral postero-lateral
8.	The in-class demo showed that this part of the auditory system most influences the perception of the $vertical$ direction of sound
	A. tympanic membrane
	B. ossicles
	C. oval window
	D. pinnae
9.	The ventral striatum contains the, a structure that plays an important role in the brain's reward circuitry.
	A. dorsal tegmentum
	B. nucleus accumbens
	C. hypothalamus
	D. pineal gland
10.	Muscle spindle axon fibers conveying information about muscle stretch/length areandheavily myelinated than fibers conveying pain or temperature.
	A. thinner; less
	B. thinner; more
	C. thicker; less
	D. thicker; more

2 Bonus

11.	Dr.	Ramachandran	could e	voke se	ensations	in his	patient's	'phantom	limb'	by s	troking	what	part	of the
	bod	y?												

- A. face
- B. opposite arm
- C. leg
- D. palm
- 12. Retinal ganglion cells have ______shaped center-surround receptive fields with _____zones.
 - A. circular; excitatory and inhibitory
 - B. square; modulatory
 - C. oval; only inhibitory
 - D. stripe; excitatory and inhibitory