

Exam_3_practice

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 1. Color constancy can be partially explained by
 - a. chromatic adaptation.
 - b. orientation selectivity.
 - c. the theory of trichromacy.
 - d. opponent process theory.
- _____ 2. The visual system has direct access to which of the following properties of an object:
 - a. the visual angle it subtends
 - b. its physical size
 - c. its distance
 - d. its weight
- _____ 3. Motion induced blindness shows that
 - a. motion can make things disappear.
 - b. akinetopsia is debilitating.
 - c. area MT has direction selective cells.
 - d. you can be blind but unaware of it.
- _____ 4. Newsome, Britton and Movshon found that as the coherence of a field of dots increased in the *opposite* direction of an MT neuron preferred direction,
 - a. the neuron fired less rapidly
 - b. the monkey judged the direction of movement less accurately.
 - c. the MT neuron fired more rapidly.
 - d. the MT neuron's response remained constant.
- _____ 5. Neurons in MST are implicated in optic flow because they are sensitive to
 - a. expansion and contraction
 - b. direction of motion
 - c. binocular disparity
 - d. the kinetic depth effect
- _____ 6. Doubling the frequency of a sound increases the pitch by
 - a. one octave on the 12 tone scale
 - b. one JND
 - c. one note on the 12 tone scale
 - d. one decibel
- _____ 7. Which of the following is *not* a part of the middle ear?
 - a. The organ of corti
 - b. the incus
 - c. the malleus
 - d. the ossicles

Name: _____

ID: A

Short Answer

8. Name three cues for distance that you use while viewing this printed picture, and name two that are not used.



**Exam_3_practice
Answer Section**

MULTIPLE CHOICE

1. ANS: A
2. ANS: A
3. ANS: A
4. ANS: A
5. ANS: A
6. ANS: A
7. ANS: A

SHORT ANSWER

8. ANS:
Cues you can use:
 - Occlusion
 - Relative height
 - Relative size
 - Familiar size
 - Texture gradient
 - Shadows
Borderline cues:
 - Linear perspective
 - Atmospheric perspective
Cues you can't use
 - motion parallax
 - deletion and accretion (by motion)
 - binocular disparity
 - convergence
 - accomodation