

Assignments > Week 4 Midterm Essay Exam

# Week 4 Midterm Essay Exam

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### Instructions

For your Midterm essay exam, you will complete 10 essay questions that focus on the course readings. Midterm essay answers must be attached as a Word document to the appropriate assignment page, not typed into the assignment student comments boxes. In addition to writing a 300 word answer, each essay question must include APA formatted citations and references (APA title page and reference page are required. Each question should be answered clearly and numbered). Students will answer each question thoroughly and completely, providing examples where required.

Answer the questions below in your Midterm exam.

- Describe the process of perception as a series of steps, beginning with the environmental stimulus and culminating in the behavioral responses of perceiving, recognizing, and acting.
- Because the long axons of neurons look like electrical wires, and both neurons and electrical wires conduct electricity, it is tempting to equate the two. Compare and contrast the functioning of axons and electrical wires in terms of their structure and the nature of the electrical signals they conduct.
- What are the two answers (one "simple" and the other "profound") to the question, "Why is our perception of colors and details worse in dim illumination than in bright illumination?"
- What is inference? Describe Hermann von Helmholtz's *Theory of Unconscious Inference*. Compare and contrast the *likelihood principle* with *unconscious inference* listing three similarities and three differences.
- When you walk from outside, which is illuminated by sunlight, to inside, which is illuminated by "tungsten" illumination, your perception of colors remains fairly constant. But under some illuminations, such as street lights called "sodium vapor" lights that sometimes illuminate highways or parking lots, colors do seem to change. Why do you think color constancy would hold under some illuminations, but not others?
- What is sensory adaptation? How does it occur within the various senses? What function does sensory adaptation serve? Provide a relevant example that illustrates your point.
- What are the characteristics of the energy that we see as visible light? Provide an example illustrating how these characteristics are expressed when someone sees a rainbow. What types of things (situations and/or objects) can interfere with these characteristics?
- How does the eye transduce light energy into a neural message? What is the blind spot in the eye and how does it impact the transduction of light energy?
- How is visual information processed in the brain? What are some things (situations and/or objects) which can impede visual information being processed in the brain? Please include a relevant example to illustrate your answer.
- List the five filtering techniques of visual attention. Identify two similarities and two differences for each of the filtering techniques. Lastly, provide an example for each filtering techniques.

Due Date

Mar 28, 2021 11:55 PM

Hide Rubrics

Rubric Name: PSYC304 Week Four Midterm exam

Criteria	Exemplary	Accomplished	Developing	Beginning	Did not attempt	Criterion Score
Question #1	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #2	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #3	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #4	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #5	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #6	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #7	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #8	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #9	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Question #10	8 points Student answered the question completely and correctly with 300 words of analysis; adding examples where required.	6.8 points Student answered the question mostly correctly and completely with 300 words of analysis; adding examples where required. At times description lacks coherence.	6 points Student answered the question marginally correctly and completely with 300 words of analysis; adding examples where required. Sufficient details and supporting evidence are lacking.	5.2 points Does not answer the question correctly or completely, lacking 300 words of analysis, and did not include examples where required.	0 points Student did not attempt this portion of the assignment.	/ 8
Peer-Reviewed Articles	10 points Student provides an accurate, thorough analysis of scholarly peer-reviewed articles pertaining to the essay questions	8.5 points Student provides a mostly accurate analysis of scholarly peer-reviewed articles pertaining to the essay questions. At times the description lacks coherence.	7.5 points Student provides a marginal analysis of scholarly peer-reviewed articles pertaining to the essay questions. Sufficient details and supporting evidence are lacking.	6.5 points Does not analyze scholarly peer-reviewed articles pertaining to the essay questions.	0 points Student did not attempt this portion of the assignment.	/ 10
Formatting/Writing	10 points Work is presented in a logical and coherent way. Writing is clear, articulate, and error free. Citations are composed in proper format with few or no errors. The student uses a preponderance of original writing (i.e., use of own words and proper paraphrasing) and uses direct quotations minimally and only when necessary/or appropriate.	8.5 points Work is grammatically sound with a few minor errors. Citations are composed in the proper format with some errors. The student uses original writing (i.e., use of own words and proper paraphrasing) and uses direct quotations minimally and only when necessary/or appropriate.	7.5 points Work contains frequent grammatical errors. Citations are inaccurate or improperly formatted. The Assignment may reflect an underuse of original writing and an overuse of directly quoted content.	6.5 points Work does not demonstrate appropriate undergraduate level writing. It reflects an underuse of original writing and an overuse of directly quoted content.	0 points Student did not attempt this portion of the assignment.	/ 10

Total / 100

### Overall Score

<b>Exemplary</b> 90 points minimum	<b>Accomplished</b> 80 points minimum	<b>Developing</b> 70 points minimum	<b>Beginning</b> 60 points minimum	<b>Did not attempt</b> 0 points minimum
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### Submit Assignment

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