https://selldocx.com/products /test-bank-cognition-exploring-the-science-of-the-mind-7e-reisberg

The Science of the Mind CHAPTER 1

LEARNING OBJECTIVES

gy.
ļ

- 1.2. Understand the case of H.M., and the many ways that memory influences our lives.
- 1.3. Describe the limitations of introspection as a method for scientific inquiry.
- 1.4. Compare and contrast classical (Watsonian) behaviorism and cognitive psychology.
- 1.5. Kant's "transcendental method" is sometimes called "inference to best explanation." Explain this method and how it works.
- 1.6. Describe the role, in the emergence of cognitive psychology, that was played by computer science and the development of "computer intelligence."

MULTIPLE CHOICE

1. Which of the following topics is NOT commonly studied within cognitive psychology?

a. anger management

c. memory

b. decision making

d. attention

ANS: A

DIF: Easy REF: The Scope of Cognitive Psychology MSC: Understanding OBJ: 1.1

2. Cognitive processes are NOT necessary for which daily activity?

DIF: Easy

a. reading a newspaper

c. talking on the phone

b. studying for a test

d. breathing

REF: The Scope of Cognitive Psychology

MSC: Applying OBJ: 1.1

3. Alyssa wants to be a psychologist but is unsure which topic within psychology most interests her. Which of the following topics would be LEAST likely to lead her into cognitive psychology?

a. amnesia

ANS: D

c. Lyme disease

b. language acquisition

d. problem-solving strategies

REF: The Scope of Cognitive Psychology

ANS: C DIF: Easy MSC: Applying OBJ: 1.1

- 4. Consider the sequence "Betsy wanted to bring Jacob a present. She shook her piggy bank." Most people, after hearing this sequence, believe Betsy was checking her piggy bank to see if she had money to spend on the gift. This inference about Betsy's goals depends on the fact that
 - a. our previous knowledge fills in background information whenever we're understanding an event or conversation.
 - b. readers are likely to know someone named Jacob.
 - c. English, unlike other languages, requires speakers to mention all of the people involved in an event.
 - d. the individual sentences are short.

ANS: A DIF: Easy REF: The Broad Role for Memory

OBJ: 1.1 MSC: Understanding

- 5. Which of the following statements is LEAST likely to apply to patient H.M.?
 - a. "He cannot remember what he did earlier today, including events that took place just an hour ago."
 - b. "He read this story last month, but he was still surprised by how the story turned out."
 - c. "Even though he has encountered the nurse many times, he is still unable to recognize her."
 - d. "He remembered that it was only a week ago that he'd heard the sad news that his uncle had died."

ANS: D DIF: Moderate REF: Amnesia and Memory Loss

OBJ: 1.2 MSC: Applying

- 6. Research with H.M. provides an illustration for which major theme of the chapter?
 - a. Introspection is an important research tool for cognitive psychologists.
 - b. Cognitive psychology can help us understand a wide range of activities that depend on someone's ability to remember.
 - c. Memory is not very important.
 - d. The disruption caused by brain damage depends on how widespread the damage is, and not on the specific sites that are damaged.

ANS: B DIF: Moderate REF: The Scope of Cognitive Psychology

OBJ: 1.2 MSC: Evaluating

- 7. Patients suffering from clinical amnesia are characterized by
 - a. memory dysfunction. c. inarticulate speech.
 - b. an inability to recognize patterns. d. impaired language comprehension.

ANS: A DIF: Easy REF: Amnesia and Memory Loss

OBJ: 1.2 MSC: Remembering

- 8. The term "introspection" refers to the
 - a. process by which one individual seeks to infer the thoughts of another individual.
 - b. procedure of examining thought processing by monitoring the brain's electrical activity.
 - c. process of each person looking within, to observe his or her own thoughts and ideas.
 - d. technique of studying thought by interpreting the symbols used in communication.

ANS: C DIF: Easy REF: The Limits of Introspection

OBJ: 1.3 MSC: Remembering

- 9. A participant is asked to look within himself or herself and report on his or her own mental processes. This method is called
 - a. logical inference.

c. introspection.

b. reconstruction. d. mentalistic study.

ANS: C DIF: Easy REF: The Limits of Introspection

OBJ: 1.3 MSC: Remembering

10. Of the following, introspection is LEAST useful for studying

- a. topics that are strongly colored by emotion.
- b. mental events that are unconscious.
- c. processes that involve conceptual knowledge.
- d. events that take a long time to unfold.

ANS: B DIF: Moderate REF: The Limits of Introspection

OBJ: 1.3 MSC: Understanding

- 11. Which of the following statements about introspection is FALSE?
 - a. It is the only way to observe conscious events directly.
 - b. It is subjective.
 - c. It provides strong evidence for hypothesis-testing.
 - d. It was a technique used historically to study cognition.

ANS: C DIF: Moderate REF: The Limits of Introspection

OBJ: 1.3 MSC: Understanding

12. Genie wonders why she can never remember the names of new acquaintances. In search of an answer, she examines and reflects on her feelings about meeting new people. Genie is engaged in which process?

a. practical rehearsal

c. learning history analysis

b. introspection

d. goal retrieval

ANS: B DIF: Moderate

REF: The Limits of Introspection

OBJ: 1.3 MSC: Applying

- 13. Introspection was employed as a research tool in the late 1800s because
 - a. it was regarded as the only way to observe the mind's contents directly.
 - b. it provided data from individuals without any specialized training.
 - c. conscious events are just as important as unconscious events.
 - d. it provided cognitive psychology's first testable claims.

ANS: A DIF: Moderate REF: The Limits of Introspection

OBJ: 1.3 MSC: Analyzing

- 14. Which of the following statements about introspection is FALSE?
 - a. A verbal report based on introspection may provide a distorted picture of mental processes that are nonverbal in nature.
 - b. Different participants might be using different terms to describe similar experiences.
 - c. Introspection provides valuable scientific data, but only after the person doing the introspection has received many hours of training.
 - d. Participants cannot possibly introspect about events that are unconscious.

ANS: C DIF: Difficult REF: The Limits of Introspection

OBJ: 1.3 MSC: Evaluating

- 15. Which of the following statements provides the most serious obstacle to the use of introspection as a source of scientific evidence?
 - a. When facts are provided by introspection, we have no way to assess the facts themselves, independent of the reporter's perspective.
 - b. Introspection is only effective for children, because children have not yet learned to inhibit their own self-reports.
 - Introspection is a valid method only if the person doing the introspection goes into a trancelike state.
 - d. The process of reporting on one's own mental events is too slow to be scientifically useful.

ANS: A DIF: Difficult REF: The Limits of Introspection

OBJ: 1.3 MSC: Evaluating

16.	In cognition, as in other sciences, we developa. research proposals.b. empirical models.	p claims that can be tested. These claims are generally referred to as c. statistical comparisons. d. hypotheses.
	ANS: D DIF: Moderate OBJ: 1.3 1.4 MSC: Understandi	REF: The Limits of Introspection
17.	 A behaviorist, like John Watson, is LEAST I a. Our learning history powerfully influen b. Children are a good source for data. c. The mind is not amenable to scientific i d. When it comes to collecting data, intros 	nquiry because it is not easily observed.
	ANS: D DIF: Moderate OBJ: 1.3 1.4 MSC: Analyzing	REF: The Years of Behaviorism
18.	Historically, the movement known as behaving a. psychotherapy. b. an exaggerated focus on participants' rec. research based on introspection. d. a focus on brain mechanisms and a correction.	
	ANS: C DIF: Easy MSC: Understandi	REF: The Years of Behaviorism
19.	Behaviorists study organisms' a. expectations. b. desires and motivations.	c. dreams. d. responses.
	ANS: D DIF: Easy MSC: Rememberin	REF: The Years of Behaviorism
20.	Of the following, behaviorists argued that a. expectations b. beliefs	were most important in analyzing behavior. c. wishes d. learning histories
	ANS: D DIF: Easy MSC: Rememberin	REF: The Years of Behaviorism
21.	Which of the following would a classical bela. a participant's response to a regularly ob. a participant's beliefs c. changes in a participant's behavior that d. principles that apply equally to human be	ccurring situation
	ANS: B DIF: Moderate OBJ: 1.4 MSC: Applying	REF: The Years of Behaviorism
22.	a. classical behaviorism failed to considerb. humans are more similar to computers t	viorism in its classic form for many reasons, including the fact that the mental processes underlying cognition. than to other species studied in the laboratory. The shasis on an organism's subjective states. by learning.
	ANS: A DIF: Difficult OBJ: 1.4 MSC: Analyzing	REF: The Years of Behaviorism

- 23. If Sheila says, "Pass the salt, please," you are likely to pass her the salt. You'll probably respond in the same way if Sheila (a chemistry major) instead asks, "Could you please hand me the sodium chloride crystals?" This observation seems to indicate that our behavior is
 - a. primarily controlled by the physical characteristics of the stimuli we encounter.
 - b. shaped by the literal meanings of the stimuli we encounter.
 - c. determined by simple associations among the stimuli we encounter.
 - d. governed by what the stimuli we encounter mean to us.

ANS: D DIF: Difficult REF: The Years of Behaviorism

OBJ: 1.4 MSC: Evaluating

- 24. The process of taking observable information and inferring a cause is known as
 - a. mentalistic inference.

c. cause and effect.

b. the transcendental method.

d. introspection.

ANS: B DIF: Moderate

REF: The Intellectual Foundations of the Cognitive Revolution

OBJ: 1.4 MSC: Remembering

- 25. One important difference between classical behaviorism and cognitive psychology is that cognitive psychology
 - a. argues that unobservable mental states can be scientifically studied.
 - b. rejects the use of human participants.
 - c. insists on studying topics that can be directly and objectively observed.
 - d. emphasizes the evolutionary roots of human behavior.

ANS: A DIF: Easy

REF: The Intellectual Foundations of the Cognitive Revolution

OBJ: 1.4 MSC: Analyzing

- 26. Cognitive psychology often relies on the transcendental method, in which
 - a. mental events are explained by referring to events in the central nervous system.
 - b. information from introspection transcends behavioral data.
 - researchers seek to infer the properties of unseen events on the basis of the observable effects of those events.
 - d. theories are tested via computer models.

ANS: C DIF: Easy

REF: The Intellectual Foundations of the Cognitive Revolution

OBJ: 1.4 MSC: Remembering

27. The philosopher Immanuel Kant based many of his arguments on transcendental inferences.

A commonplace example of such an inference is a

- a. physicist inferring what the attributes of the electron must be on the basis of visible effects that the electron causes.
- b. computer scientist inferring what the attributes of a program must be on the basis of his or her long-range goals for the program's functioning.
- c. biologist inferring how an organism is likely to behave in the future on the basis of assessment of past behaviors.
- d. behaviorist inferring how a behavior was learned on the basis of a deduction from well-established principles of learning.

ANS: A DIF: Difficult

REF: The Intellectual Foundations of the Cognitive Revolution

OBJ: 1.4 MSC: Analyzing

28. Cognitive psychologists try to make inferences about causes, based on the observed effects. In this way, cognitive psychologists use methods like those commonly employed by

garbage collectors. construction workers. DIF: Moderate ANS: A REF: The Intellectual Foundations of the Cognitive Revolution OBJ: 1.4 MSC: Applying 29. The "cognitive revolution" is named as such because a. the focus changed from behaviors to the processes underlying those behaviors. b. the change was accompanied by violence. the focus changed from animals to humans. philosophers such as Kant were strongly opposed to the change. ANS: A DIF: Easy REF: The Intellectual Foundations of the Cognitive Revolution OBJ: 1.4 MSC: Understanding 30. The branch of psychology concerned with the scientific study of knowledge is a. cognitive psychology. c. neuropsychology. b. humanistic psychology. d. behaviorism. ANS: A DIF: Easy REF: The Scope of Cognitive Psychology OBJ: 1.1 MSC: Remembering 31. Wilhelm Wundt would be LEAST interested in an individual's c. reaction to a conditioned stimulus. a. feelings. d. recollections. b. perception of temperature. ANS: C DIF: Moderate **REF:** The Limits of Introspection OBJ: 1.3 MSC: Evaluating 32. The seminal work of was instrumental in the development of experimental psychology. a. Donald Broadbent c. John Watson b. Wilhelm Wundt Immanuel Kant ANS: B DIF: REF: The Limits of Introspection Easy OBJ: 1.3 MSC: Remembering 33. Which technique was commonly used in Wilhelm Wundt's laboratory? a. introspection c. operant conditioning b. physiological analysis classical conditioning ANS: A DIF: Easy REF: The Limits of Introspection OBJ: 1.3 MSC: Remembering 34. What evidence supports Edward Tolman's belief that it is possible for rats to acquire new knowledge? a. development of a cognitive map b. increased physiological response to a reward decreased avoidance of punishment d. observational introspection ANS: A DIF: Difficult The Path from Behaviorism to the Cognitive Revolution OBJ: 1.4 MSC: Evaluating 35. Who proposed the concept of a "cognitive map"? a. Ulric Neisser Noam Chomsky

d. Edward Tolman

c. chefs.

crime scene investigators.

b. Frederic Bartlett

	ANS: D DIF: Easy REF: The Path from Behaviorism to the Cognitive Revolution OBJ: 1.4 MSC: Remembering								
36.	66. For 10 days, a group of rats is simply allowed to explore a maze. On Day 11, food is introduced at a specific location within the maze, and the rats find it. On Day 12, the rats move to the food's location just as quickly as rat who had been trained for many days with food in that location. The most plausible explanation for this result is the a. the rats permitted only to explore learned the layout of the maze. b. the reward of food was not sufficient to shape the trained rat's behavior. c. the ability of rats to locate food is innate. d. the rats trained to locate food learned the layout of the maze.								
	ANS: A DIF: Moderate REF: The Path from Behaviorism to the Cognitive Revolution MSC: Analyzing OBJ: 1.4								
37.	Noam Chomsky criticized and noted that it failed to explain a. Gestalt psychology; visual perception c. behaviorism; language development b. introspection; individual differences d. direct observations; abstract thinking								
	ANS: C DIF: Moderate REF: The Path from Behaviorism to the Cognitive Revolution MSC: Applying OBJ: 1.4								
38.	Contemporary cognitive psychologists are MOST interested in examining the relationship between and a. stress hormones; behavior c. introspection; self-awareness b. memory capacity; lifetime achievement d. cognitive processes; behavior ANS: D DIF: Difficult REF: Research in Cognitive Psychology: The Diversity of Methods								
39.	OBJ: 1.1 MSC: Analyzing techniques allow us to scrutinize the precise structure and moment-by-moment pattern of activation in the								
	brain. a. Introspection c. Neuroimaging b. Neuropsychological d. Observational								
	ANS: C DIF: Easy REF: Research in Cognitive Psychology: The Diversity of Methods OBJ: 1.1 MSC: Remembering								
 40. A Gestalt psychologist is likely to focus on which of the following? a. individual elements of an experience b. differences in reaction time c. how elements of an experience interact to form new wholes d. objective and subjective experiences 									
	ANS: C DIF: Moderate REF: European Roots of the Cognitive Revolution OBJ: 1.5 MSC: Remembering								
41.	A(n) is general knowledge about what is typically involved in a type of situation or event. a. schema								
	ANS: A DIF: Easy REF: European Roots of the Cognitive Revolution OBJ: 1.5 MSC: Remembering								

42.		as reflect a(n)			_	ension of a specific experience.	
		bjective appraisa nental framework			c. d.		
				iics	u.	·	
	ANS: OBJ:		DIF: MSC:	Moderate Applying	REF:	European Roots of the Cognitive Revolution	
43.	The de	evelopment of co	mputers	facilitated resea	arch in co	egnition by	
	a. suggesting hypotheses that framed the steps of cognition as stages of information processing.						
	b. more accurately capturing reaction time.c. integrating elements of subjective experiences.						
		itegrating elemer iscrediting behav			nces.		
			_	_			
	ANS:		DIF:	Moderate	REF:	Computers and the Cognitive Revolution	
	OBJ:	1.6	MSC:	Understanding	5		
44.	Who u	sed the language	of com	outer science to	describe	human cognition?	
		onald Broadbent	t		c.	Frederic Bartlett	
	b. C	olin Cherry			d.	Wilhelm Wundt	
	ANS:	A	DIF:	Easy	REF:	Computers and the Cognitive Revolution	
	OBJ:	1.6	MSC:	Remembering			
45.	An inf	ormation process	ing ann	roach to underst	tanding a	ognition does NOT	
43.							
	a. propose a sequence of mental operations to explain cognition.b. use computer models to describe cognitive processes.						
		escribe cognition					
	d. re	ely on behavioral	principl	es to explain sp	ecific sti	mulus-response relationships.	
	ANS:		DIF:	Moderate		Computers and the Cognitive Revolution	
	OBJ:	1.6	MSC:	Understanding	5		
ESSAY	Y						
1	Vou'v	e just ordered vo	ur lunch	and are waiting	tor vou	food to be delivered when your friend Iill says "I don't	
1. You've just ordered your lunch and are waiting for your food to be delivered when yo understand why you would need to take a whole class on cognitive psychology. It doe							
						y on cognitive processing during this meal.	
	ANTO						
	ANS:	ers will vary.					
	7 1115 W C	as will vary.					
	DIF:	Difficult	REF:	The Scope of	Cognitive	Psychology	
	OBJ:	1.1	MSC:	Creating			
2. Describe the case of H.M. What does his story tell us about the role that memory plays in our sense of						out the role that memory plays in our sense of self?	
				J		71 7	
	ANS:						
	Answe	ers will vary.					
	DIF:	Moderate	REF:	Amnesia and I	Memorv 1	Loss OBJ: 1.2	
		Analyzing			- ,		
2	C	1	1	,	,		
3.	Compare and contrast the introspection, behaviorist, and cognitive approaches to studying mental activities. Which approach do you find most compelling, and why?						

ANS:

Answers will vary.

DIF: Difficult REF: The Cognitive Revolution OBJ: 1.3 | 1.4

MSC: Evaluating

4. Mikey is 4 years old and has begun acting out. Every time he throws a tantrum, his mother rushes over to console him. In analyzing this behavior, what sort of factors would most interest a behaviorist? On what factors would a cognitive psychologist using the transcendental method focus? What conclusions will each psychologist reach?

ANS:

Answers will vary.

DIF: Difficult REF: The Years of Behaviorism | European Roots of the Cognitive Revolution

OBJ: 1.4 | 1.5 MSC: Applying

5. Despite the fact that we cannot directly observe mental activity, cognitive psychologists are able to scientifically study these processes. Explain why this is possible by describing Kantian logic. Next, provide at least three measurable variables and explain why they could be reliably used as proxies for mental behavior.

ANS:

Answers will vary.

DIF: Moderate REF: European Roots of the Cognitive Revolution

OBJ: 1.4 | 1.5 MSC: Understanding

6. Describe introspection and then describe two limitations to this method.

ANS:

Answers will vary.

DIF: Moderate REF: The Limits of Introspection OBJ: 1.3

MSC: Understanding

7. Define "schema." Describe how schemas shape and organize our experiences.

ANS:

Answers will vary.

DIF: Moderate REF: European Roots of the Cognitive Revolution

OBJ: 1.5 MSC: Understanding

8. Cognitive psychologists utilize different methods to understand cognitive processes. Describe three different methods to investigate memory functioning.

ANS:

Answers will vary.

DIF: Moderate REF: Research in Cognitive Psychology: The Diversity of Methods

OBJ: 1.1 MSC: Understanding